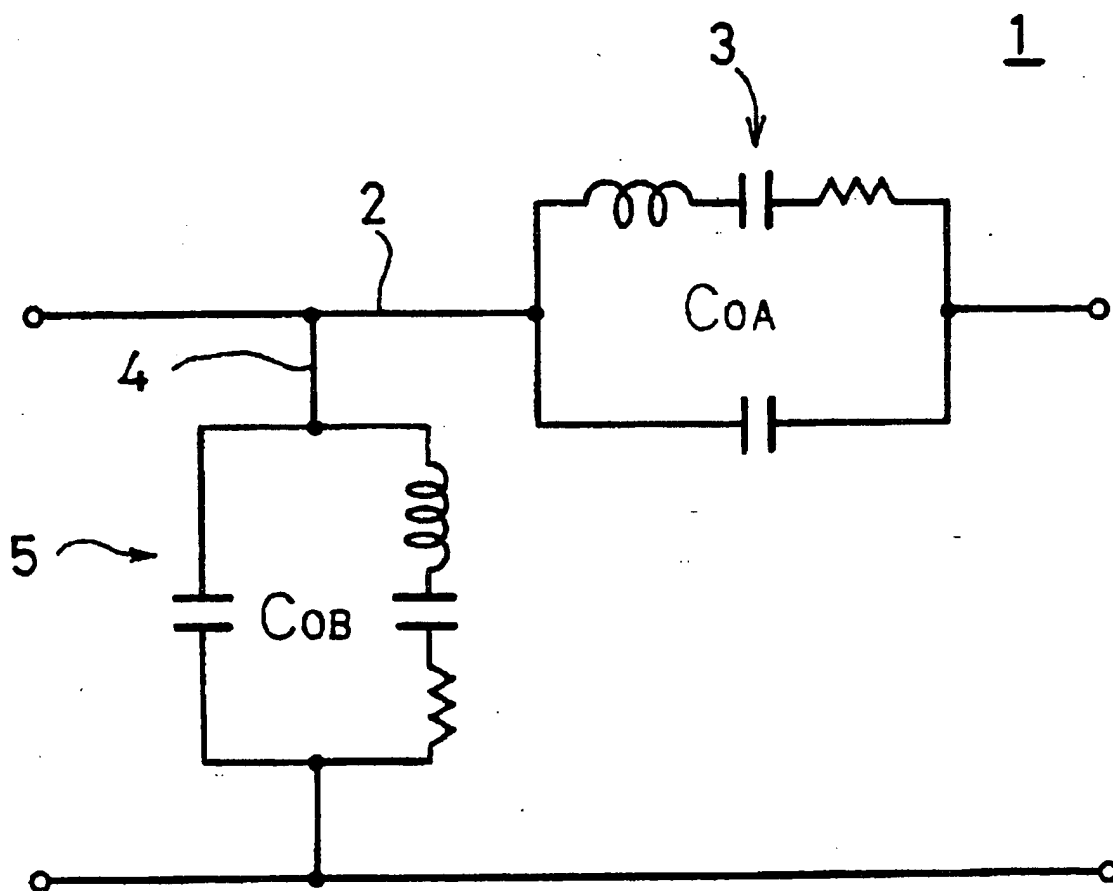


*FIG. 1 PRIOR ART*

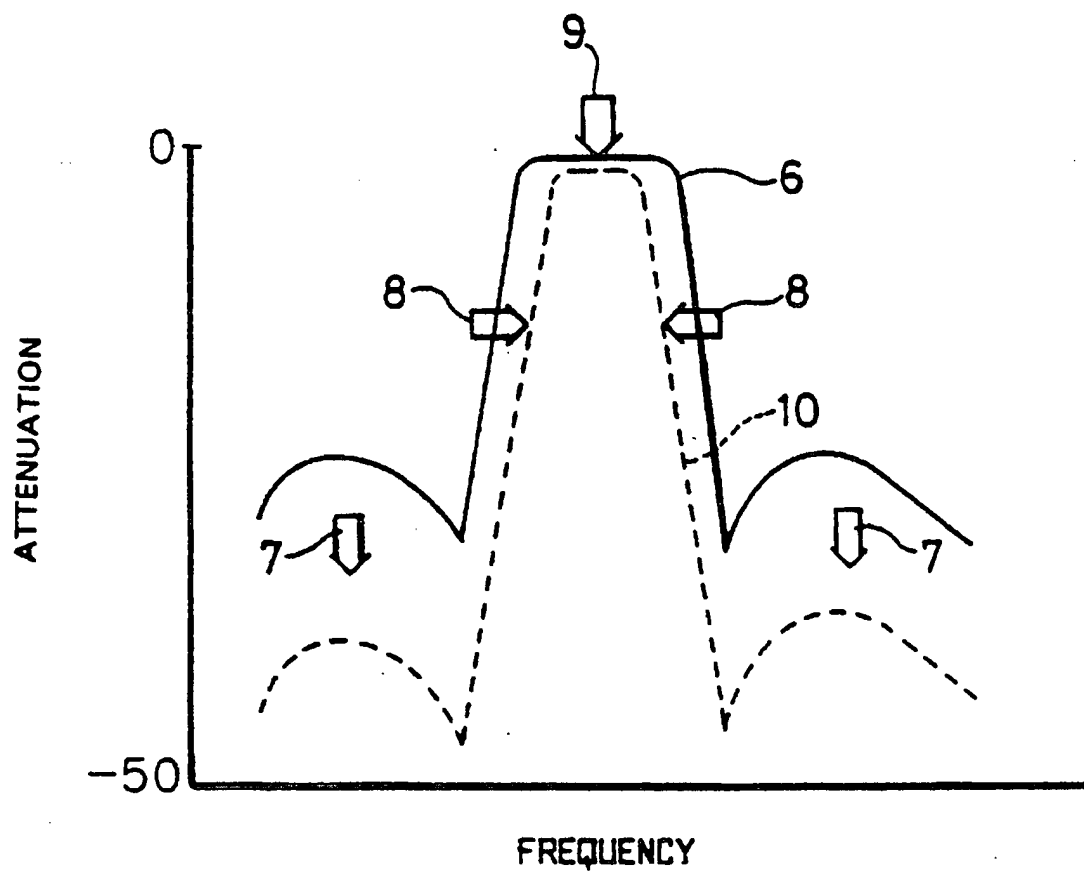
*FIG. 2 PRIOR ART*

FIG. 3

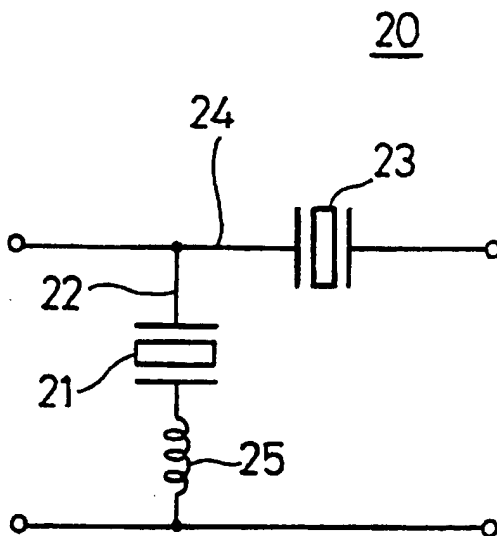
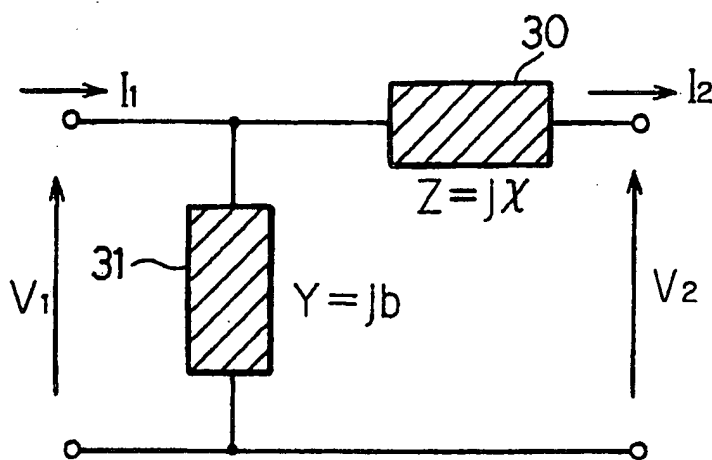


FIG. 4



F MATRIX

$$\begin{pmatrix} V_1 \\ I_1 \end{pmatrix} = \begin{pmatrix} A & B \\ C & D \end{pmatrix} \begin{pmatrix} V_2 \\ I_2 \end{pmatrix}$$

FIG. 3

FIG. 5A

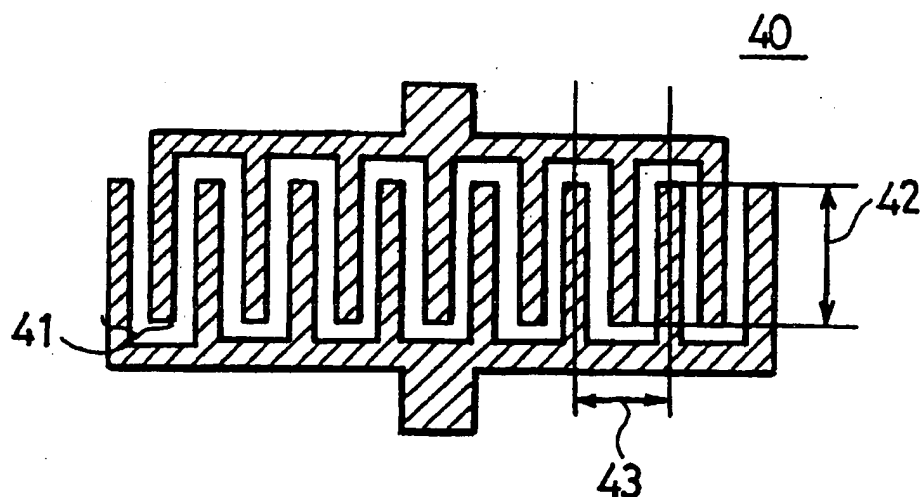
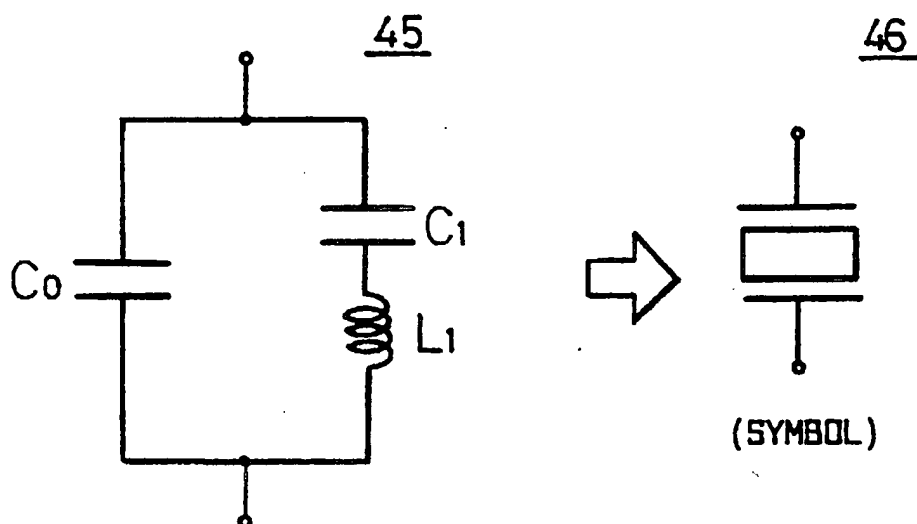


FIG. 5B

FIG. 5C



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FIG. 6A

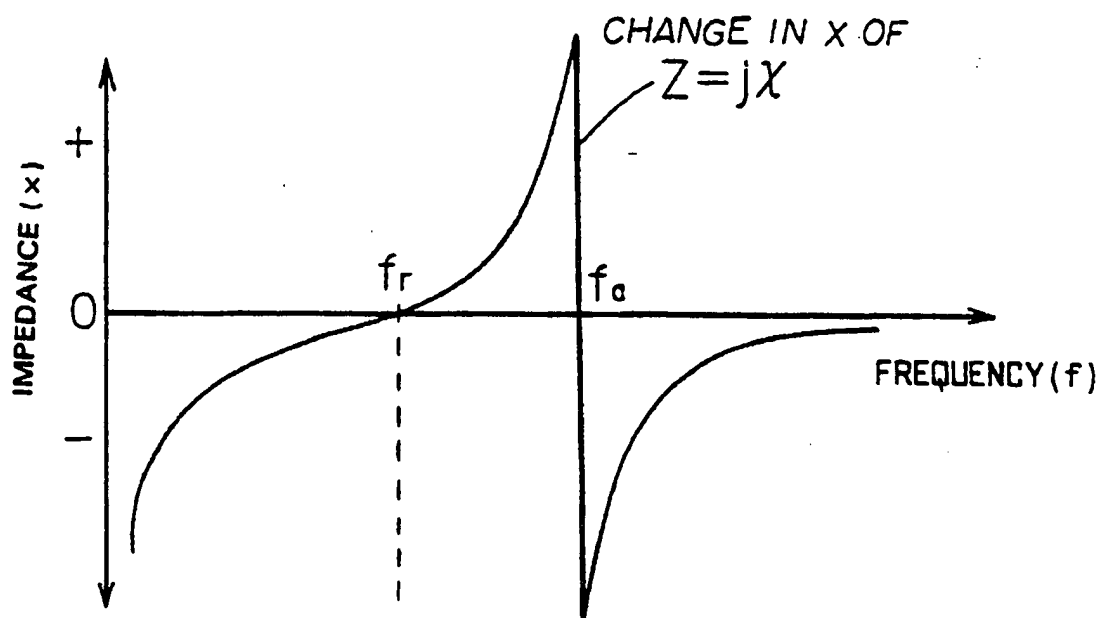
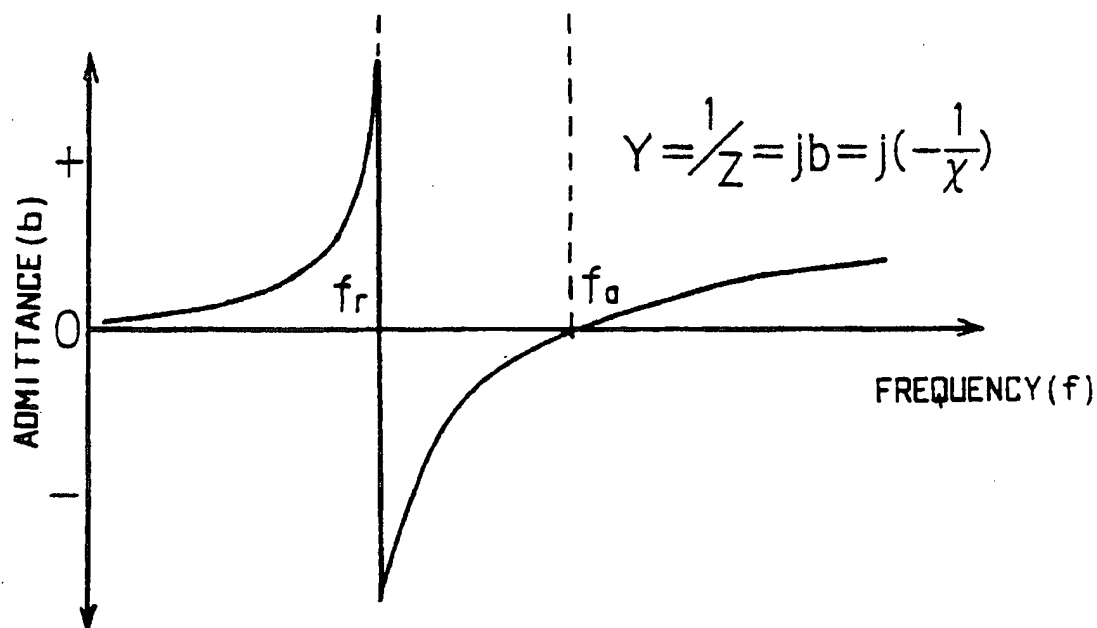


FIG. 6B



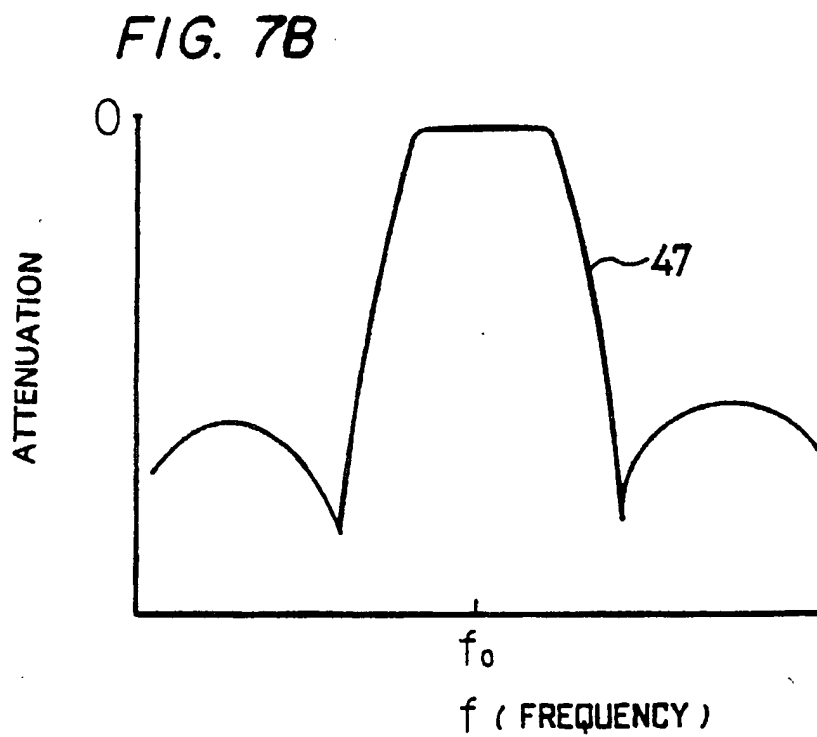
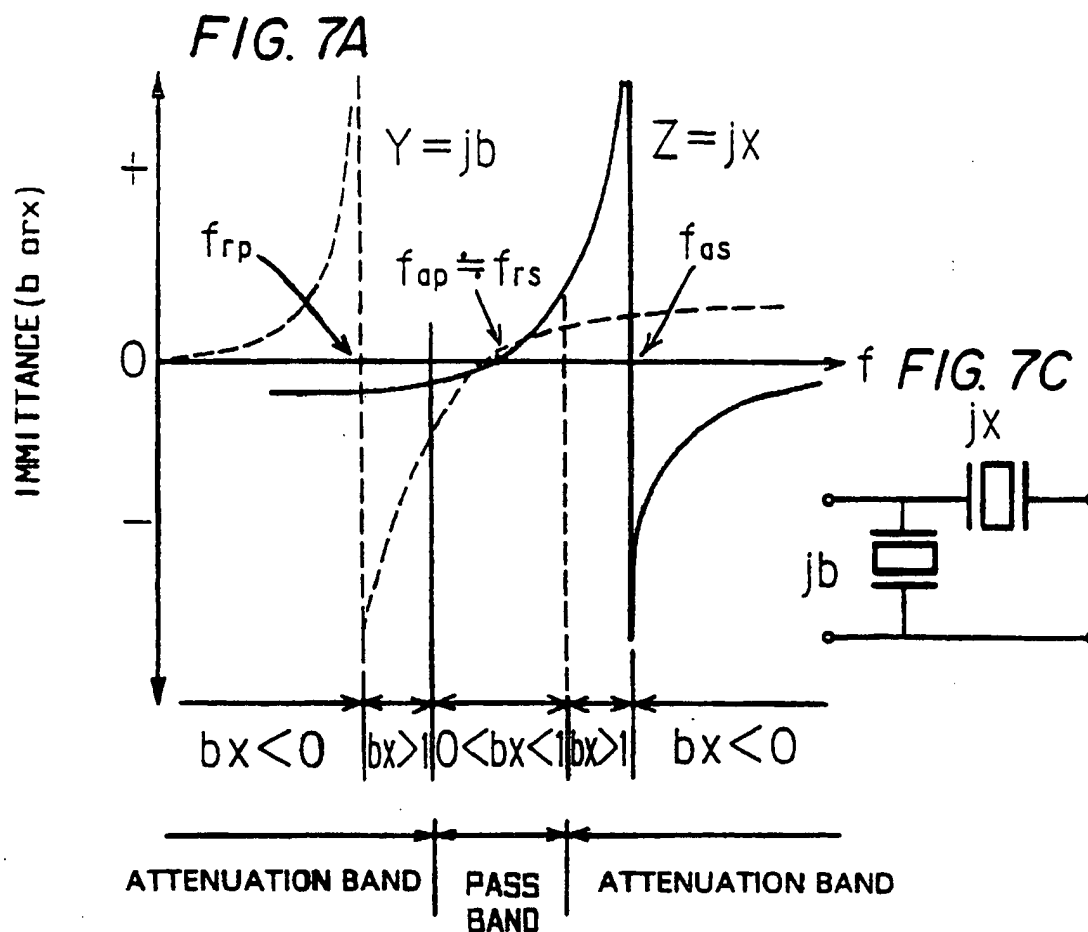


FIG. 8A

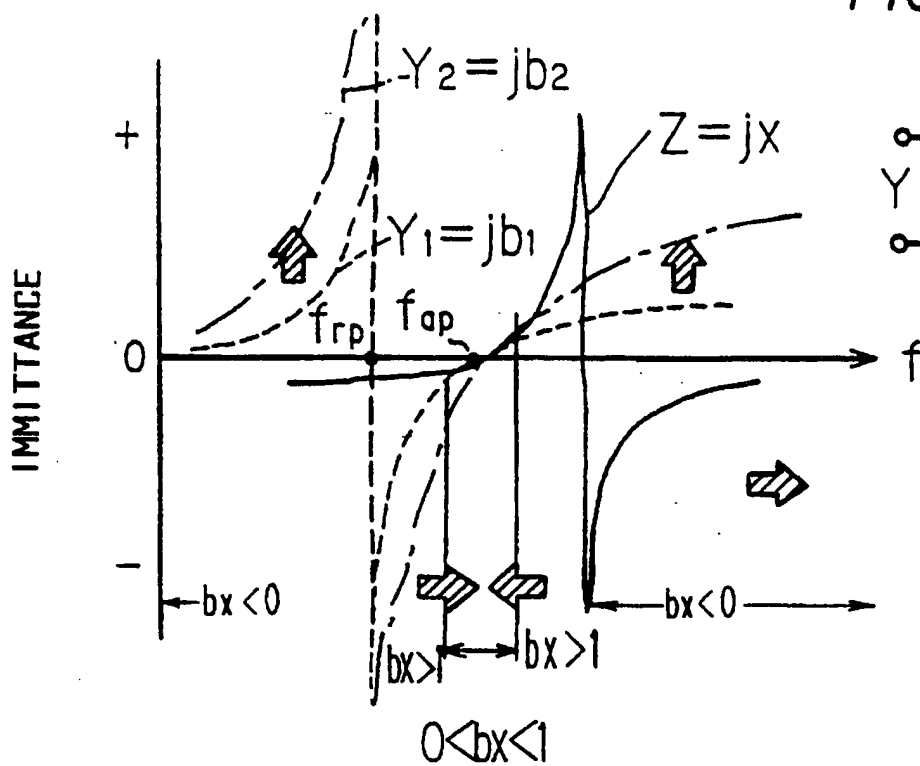


FIG. 8C

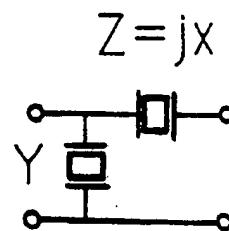


FIG. 8B

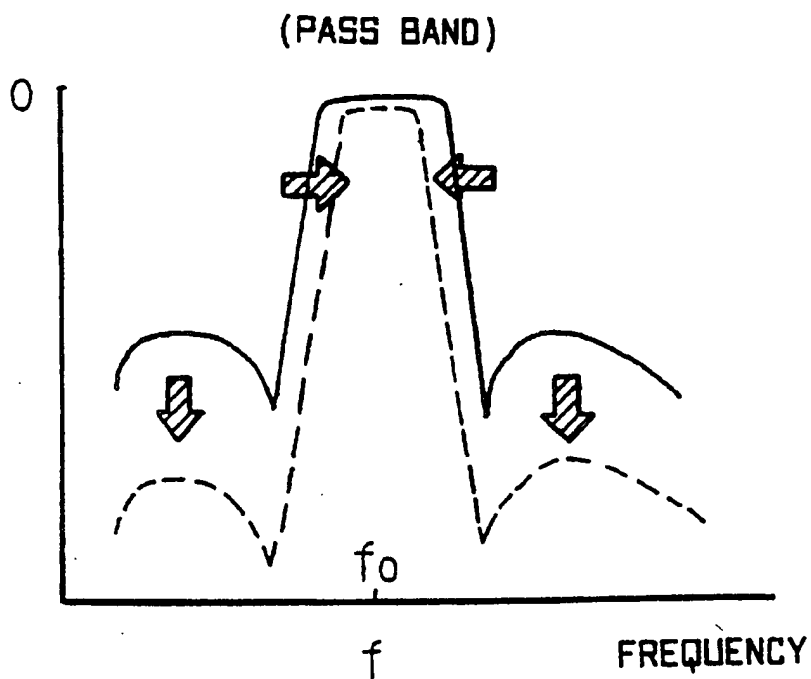


FIG. 9A

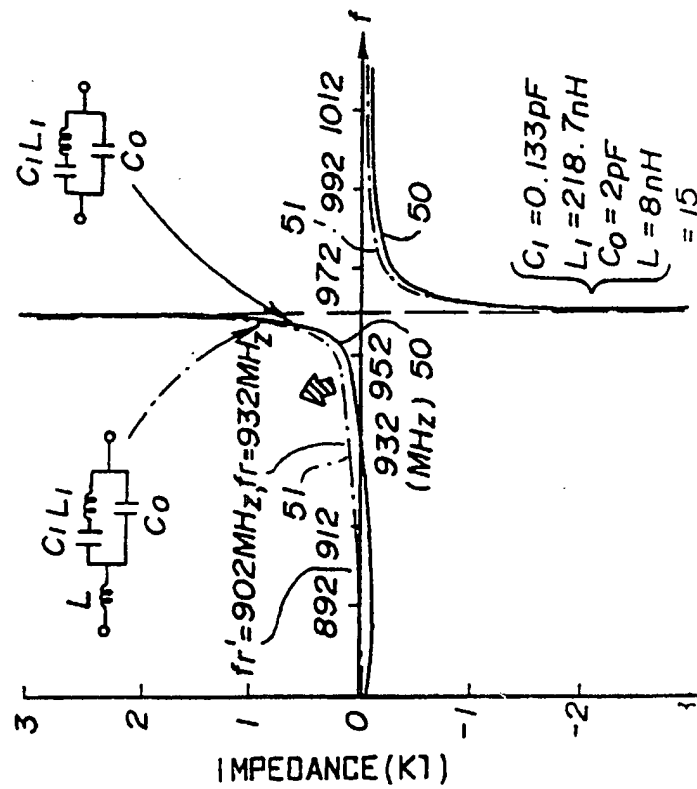


FIG. 9B

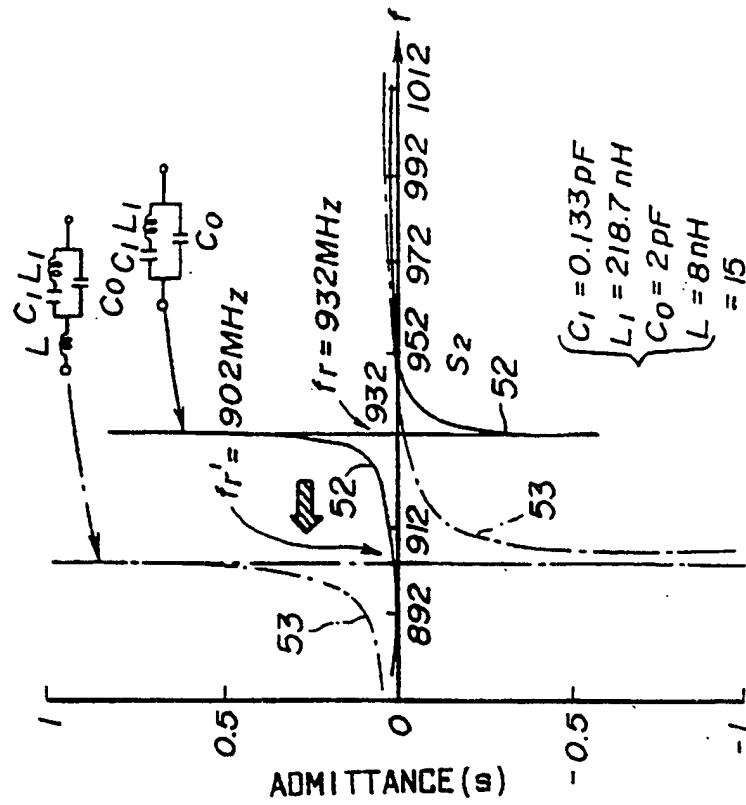




FIG. 10A

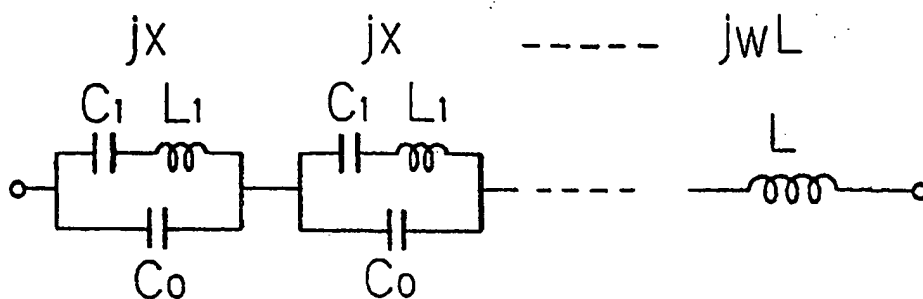


FIG. 10B

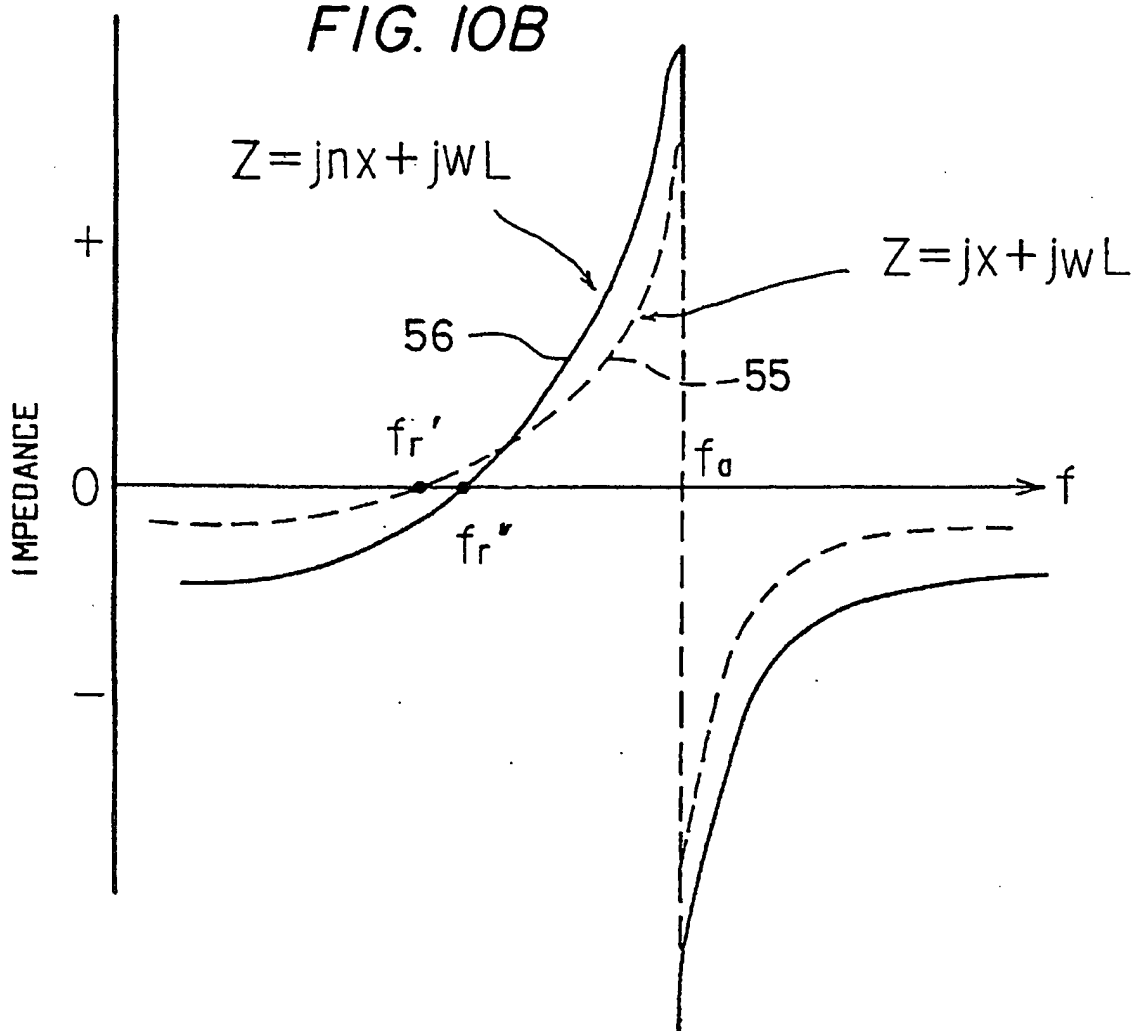


FIG. 10B

FIG. 11A

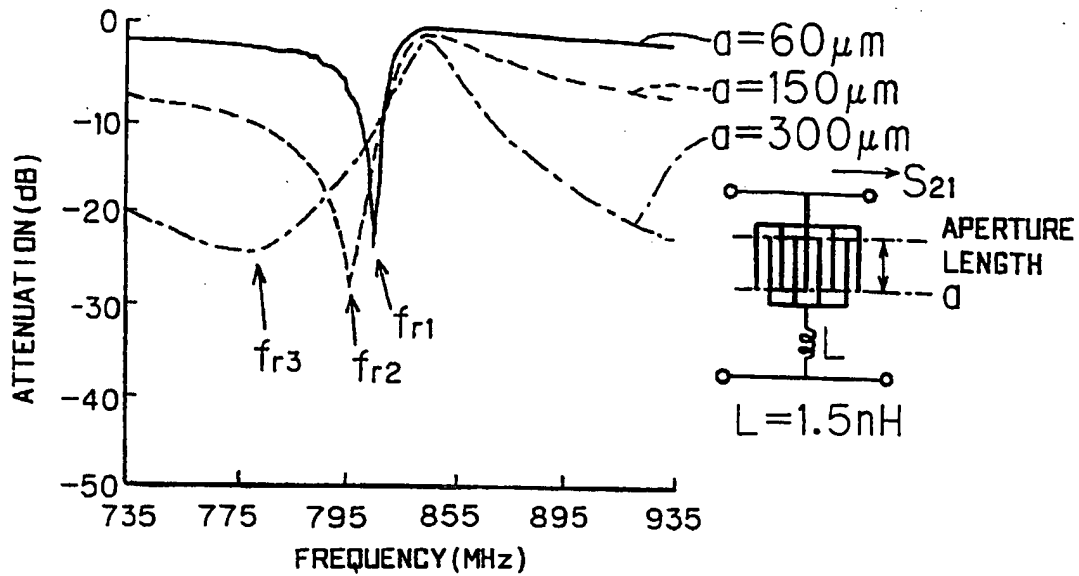


FIG. 11B

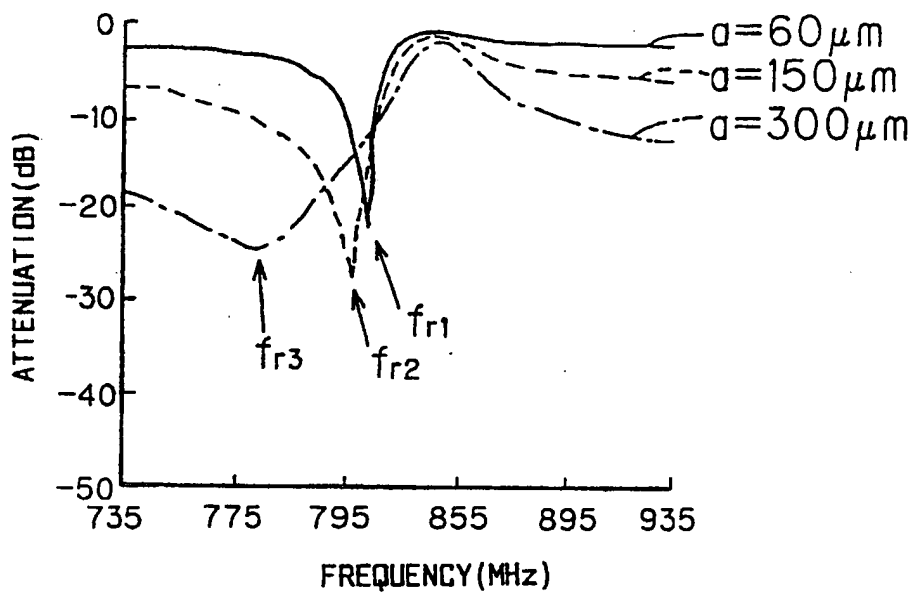


FIG. 12A

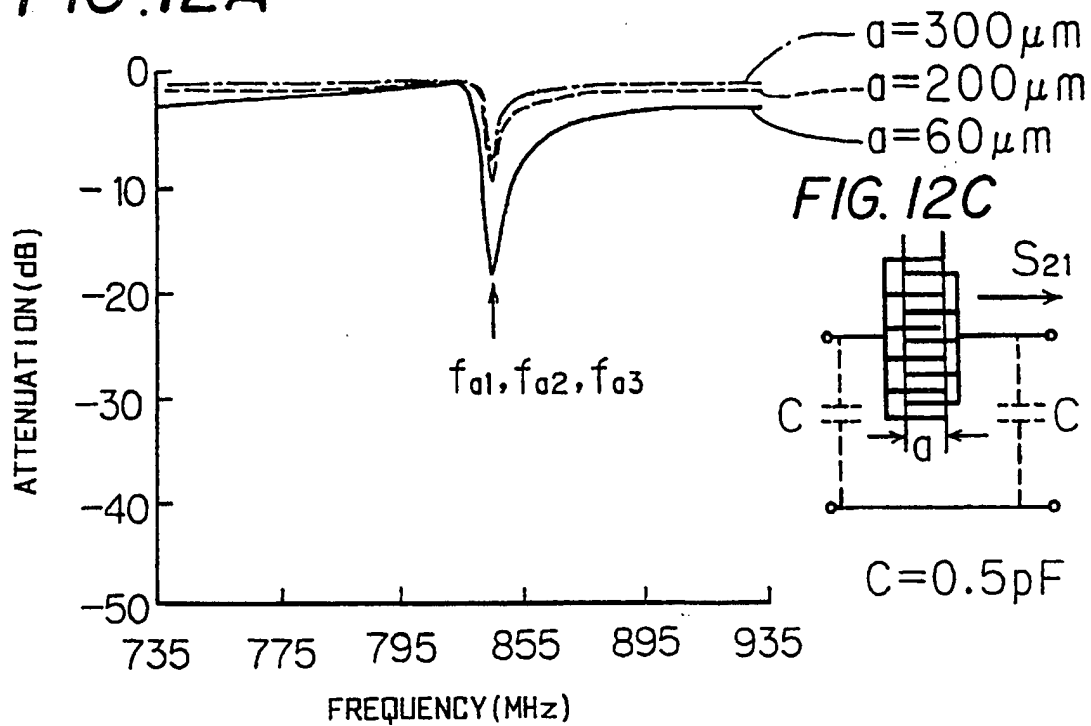


FIG. 12B

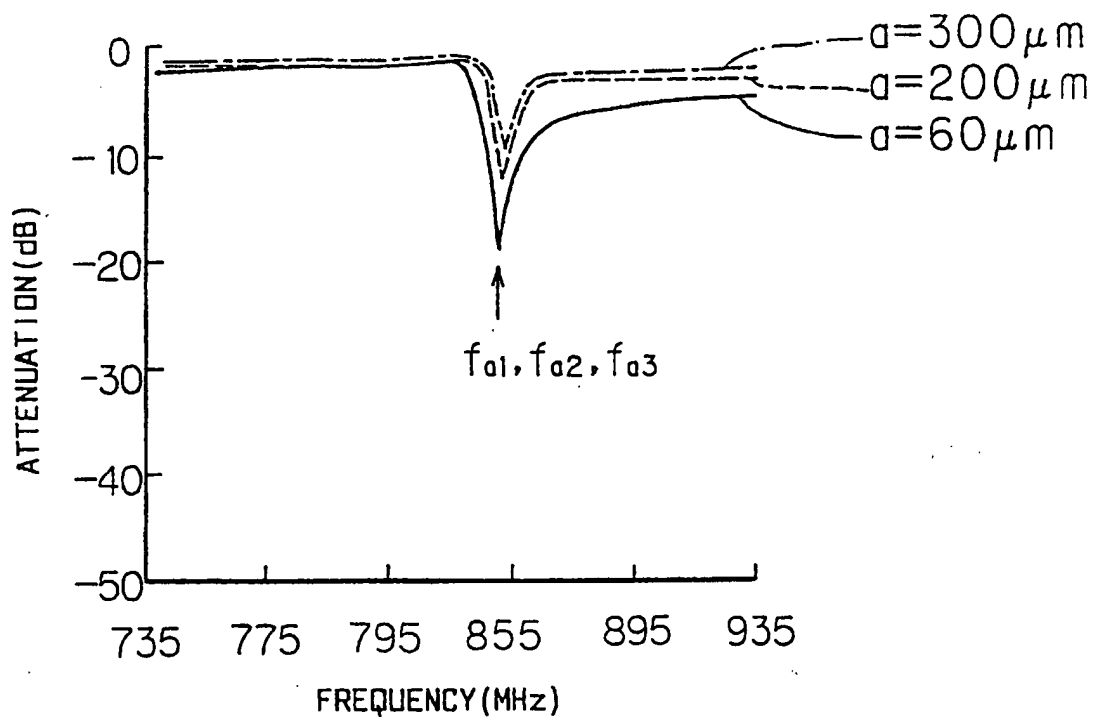


FIG. 13

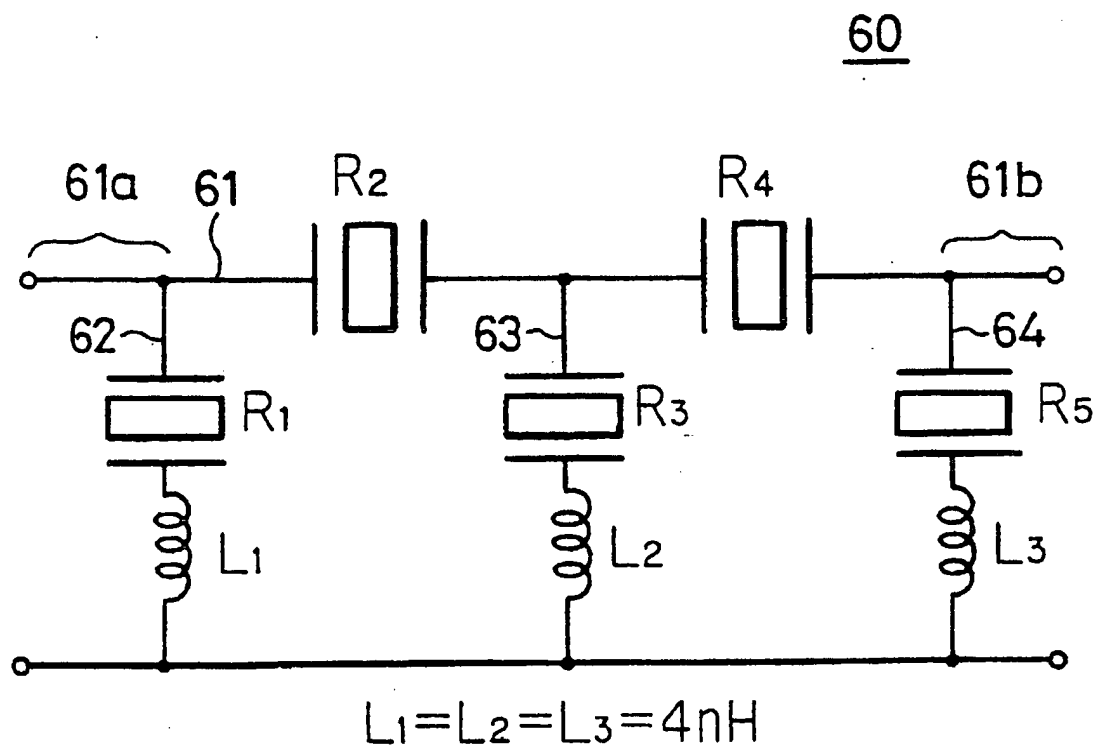


FIG. 14

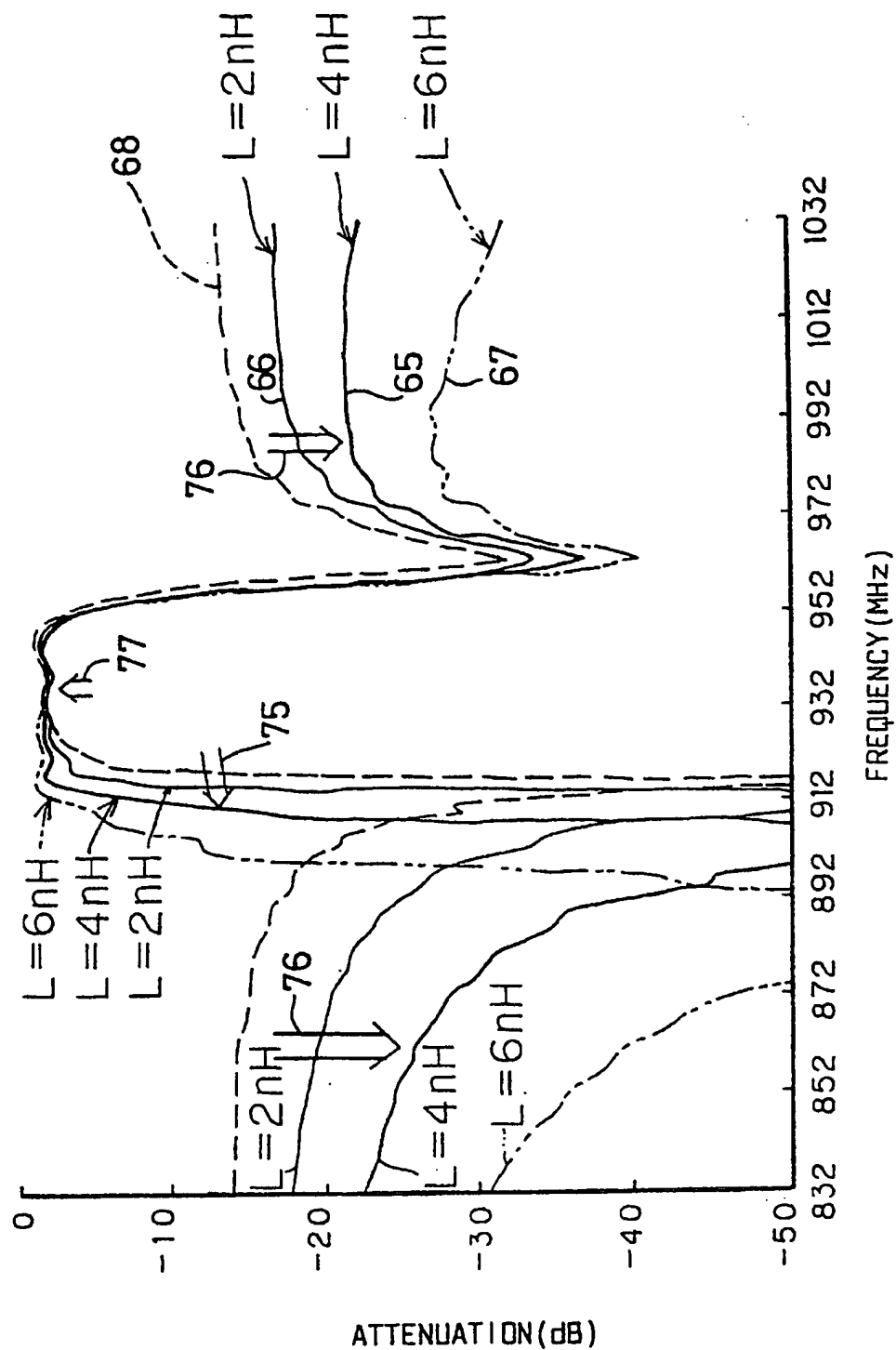


FIG. 15A

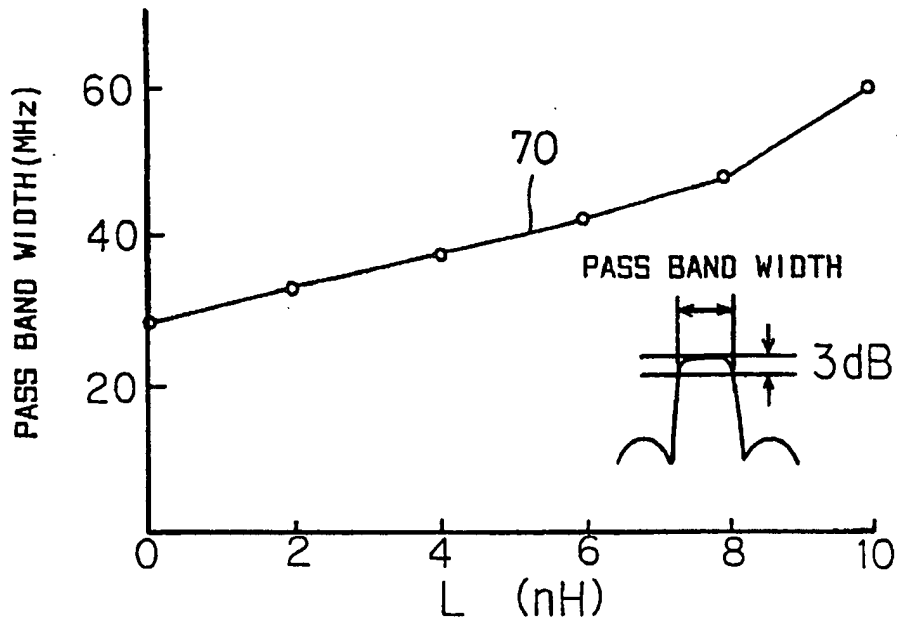


FIG. 15B

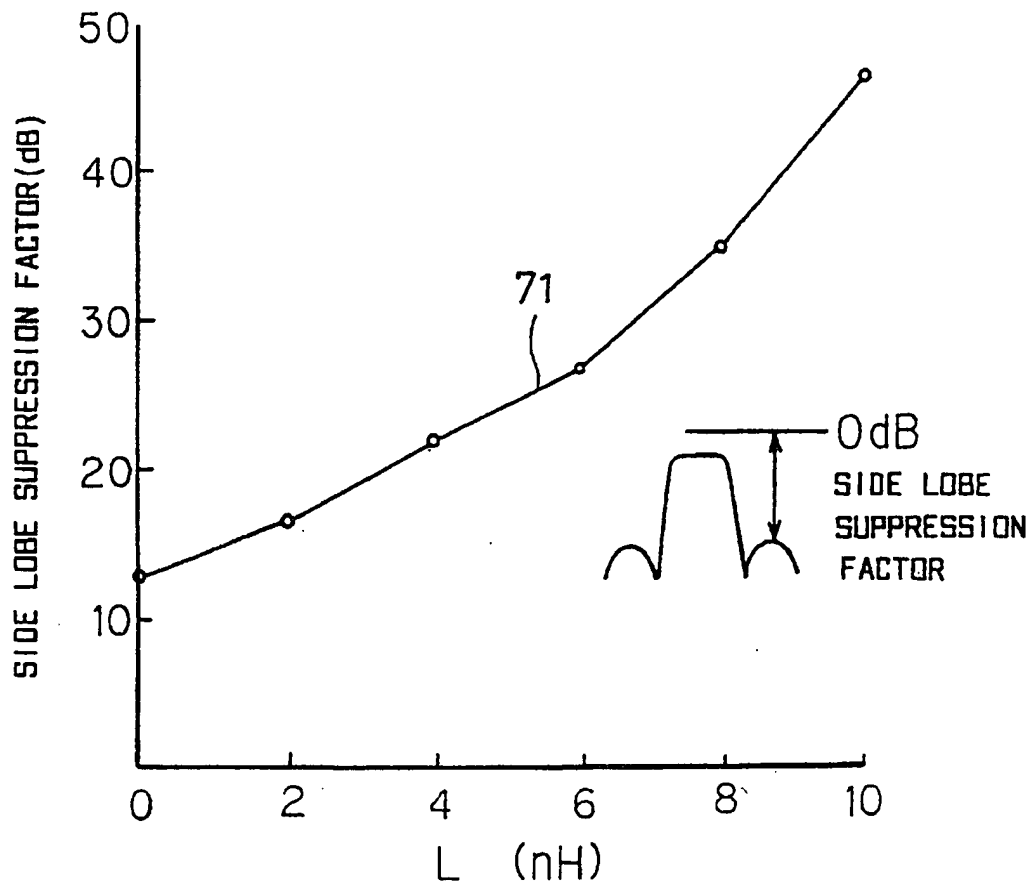


FIG. 16

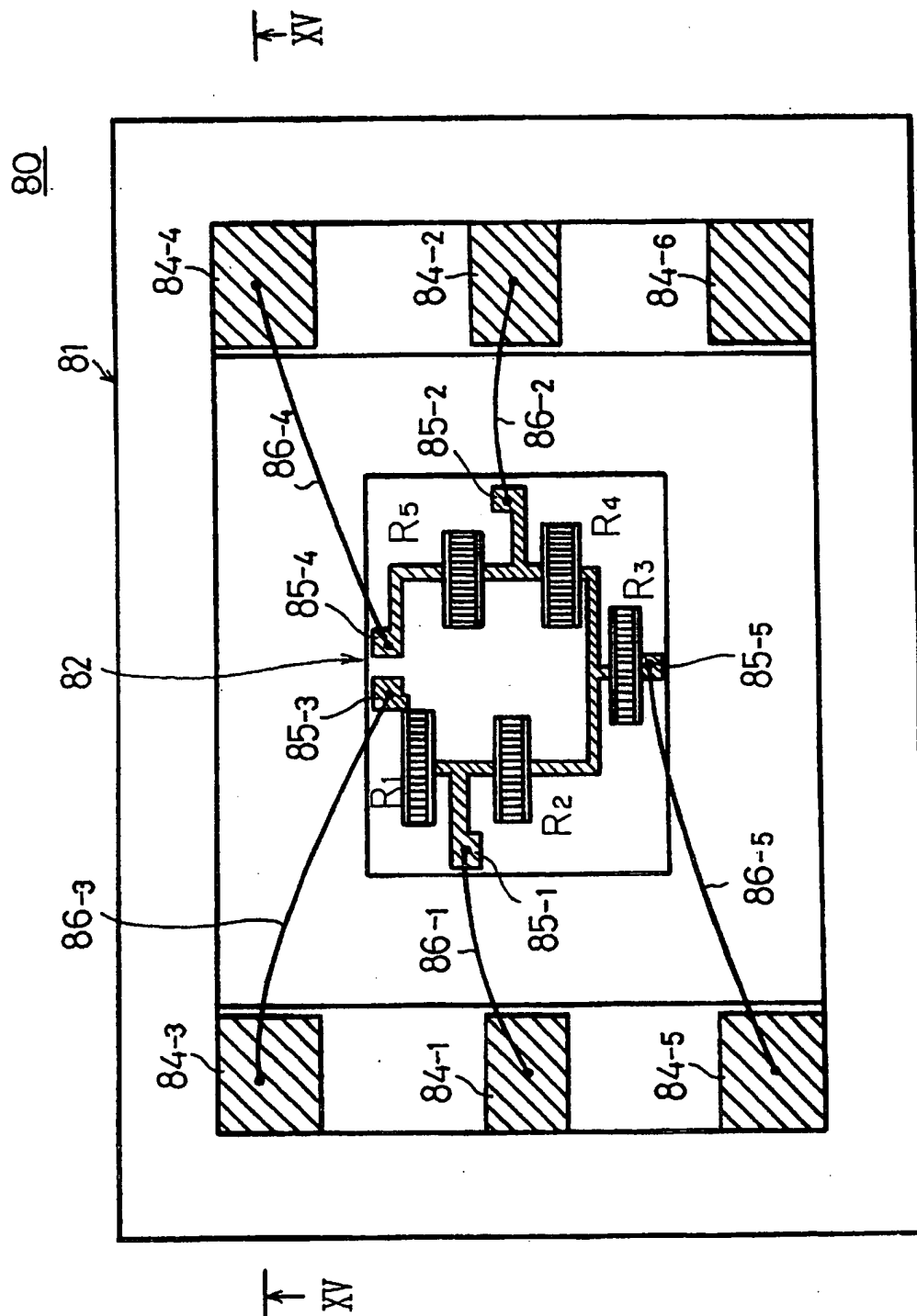


FIG. 17

80

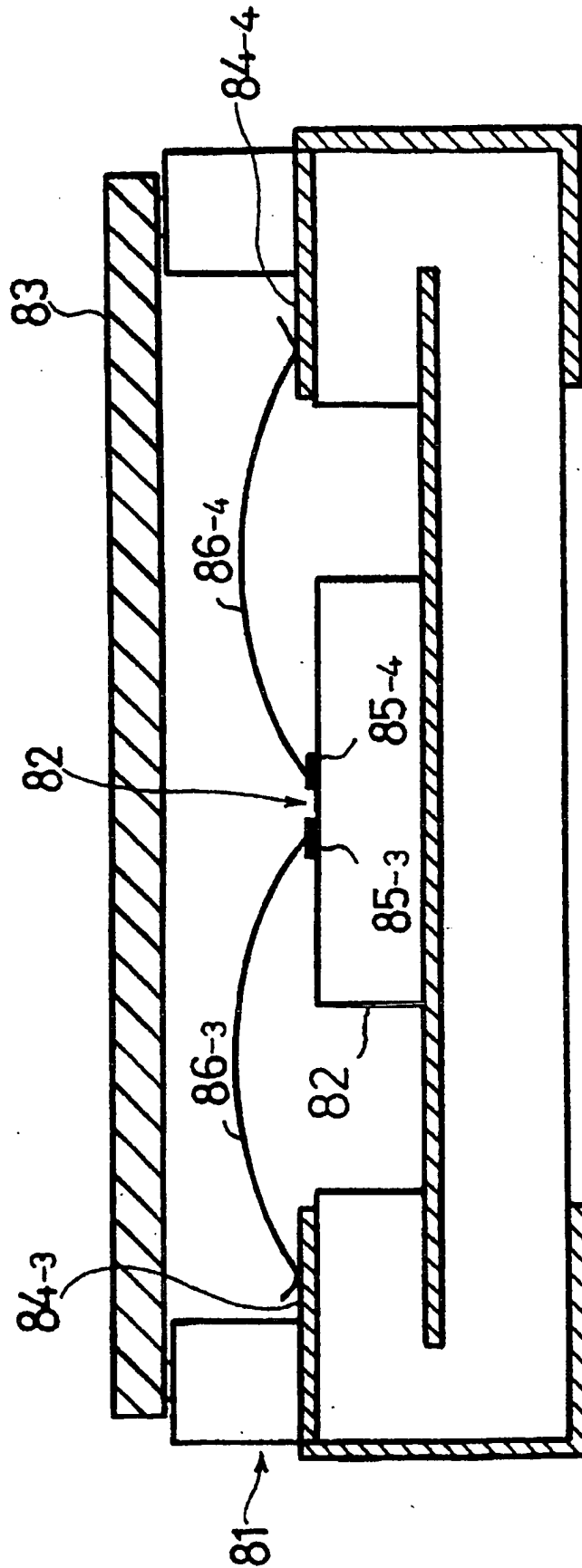




FIG. 18

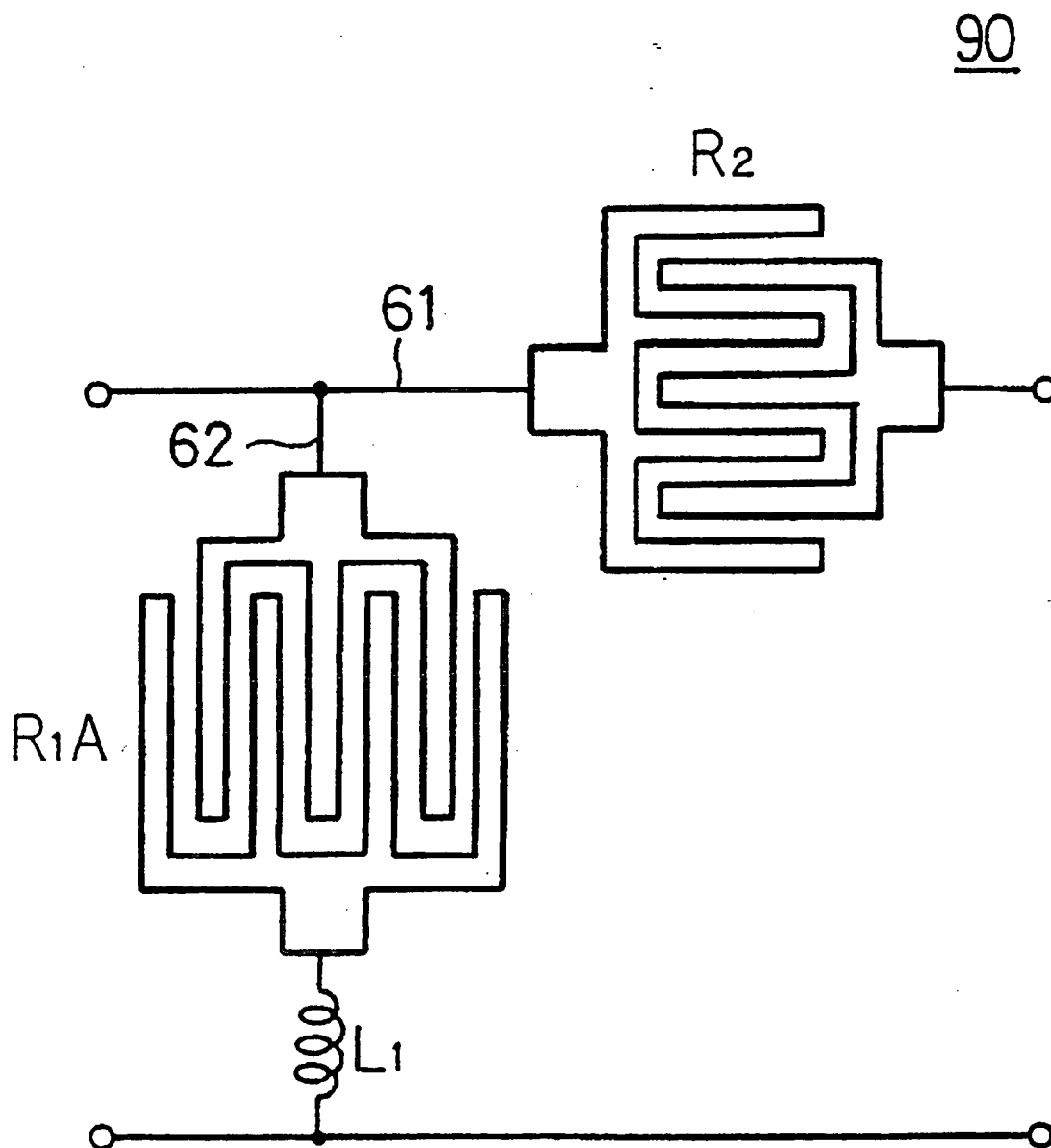


FIG. 19

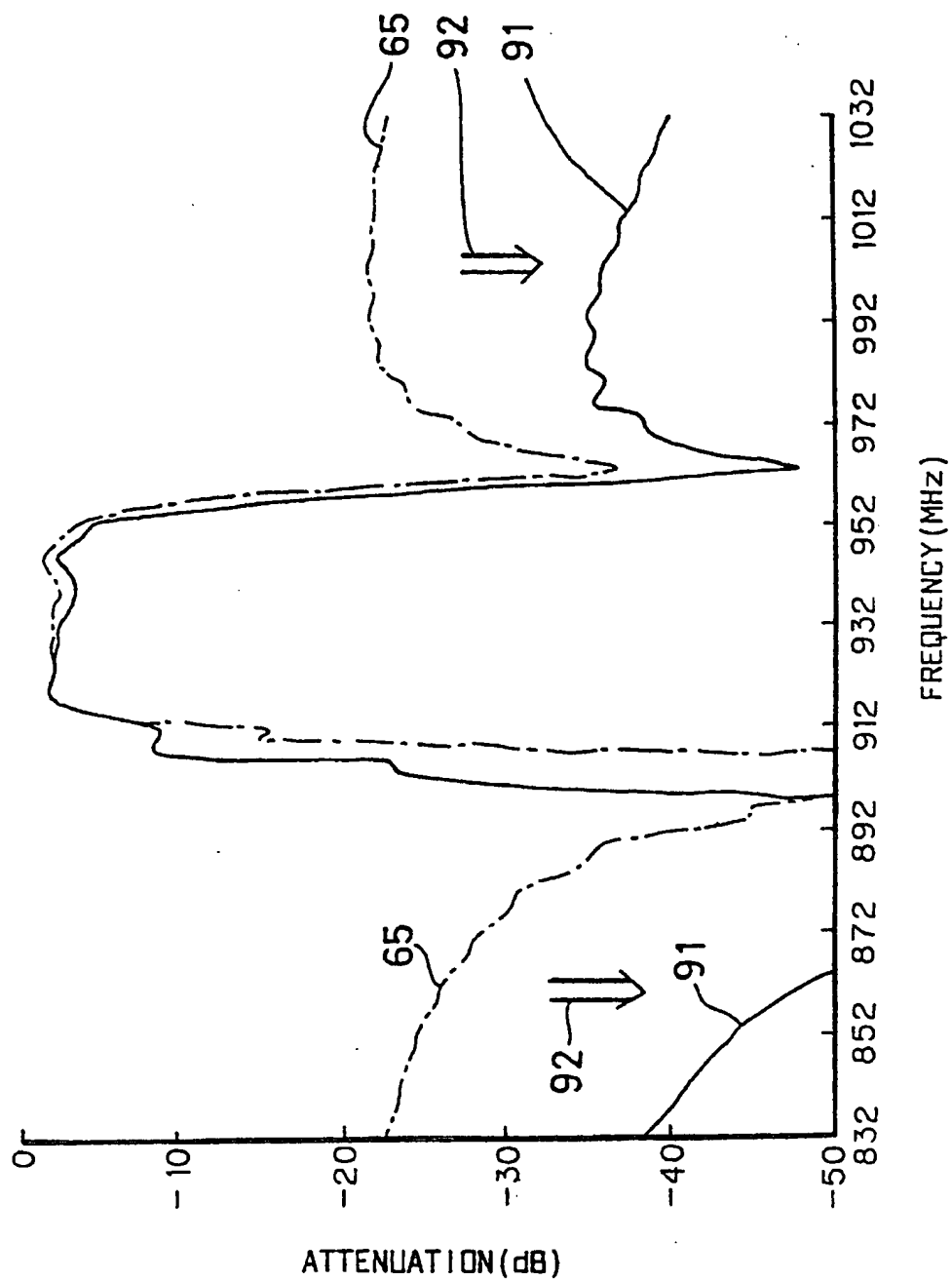


FIG. 20A

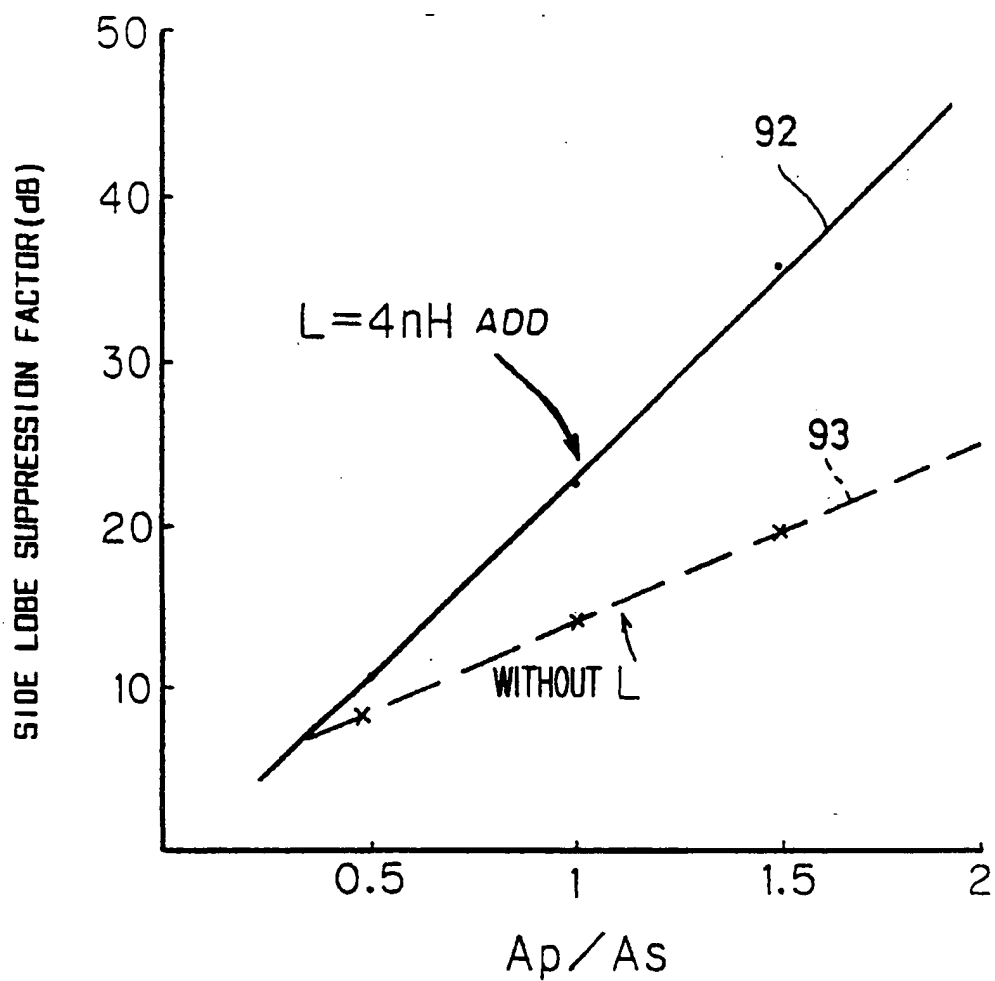


FIG. 20B

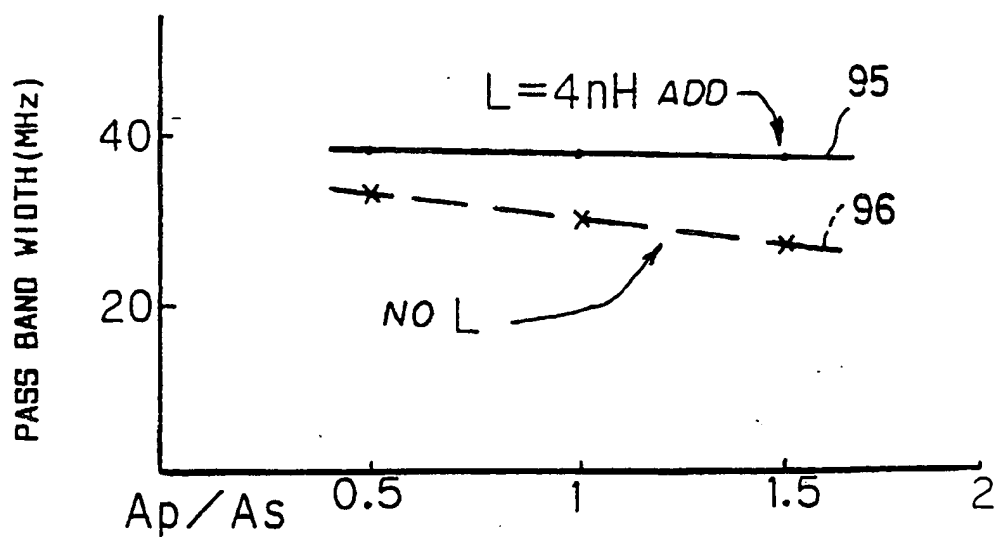


FIG. 21

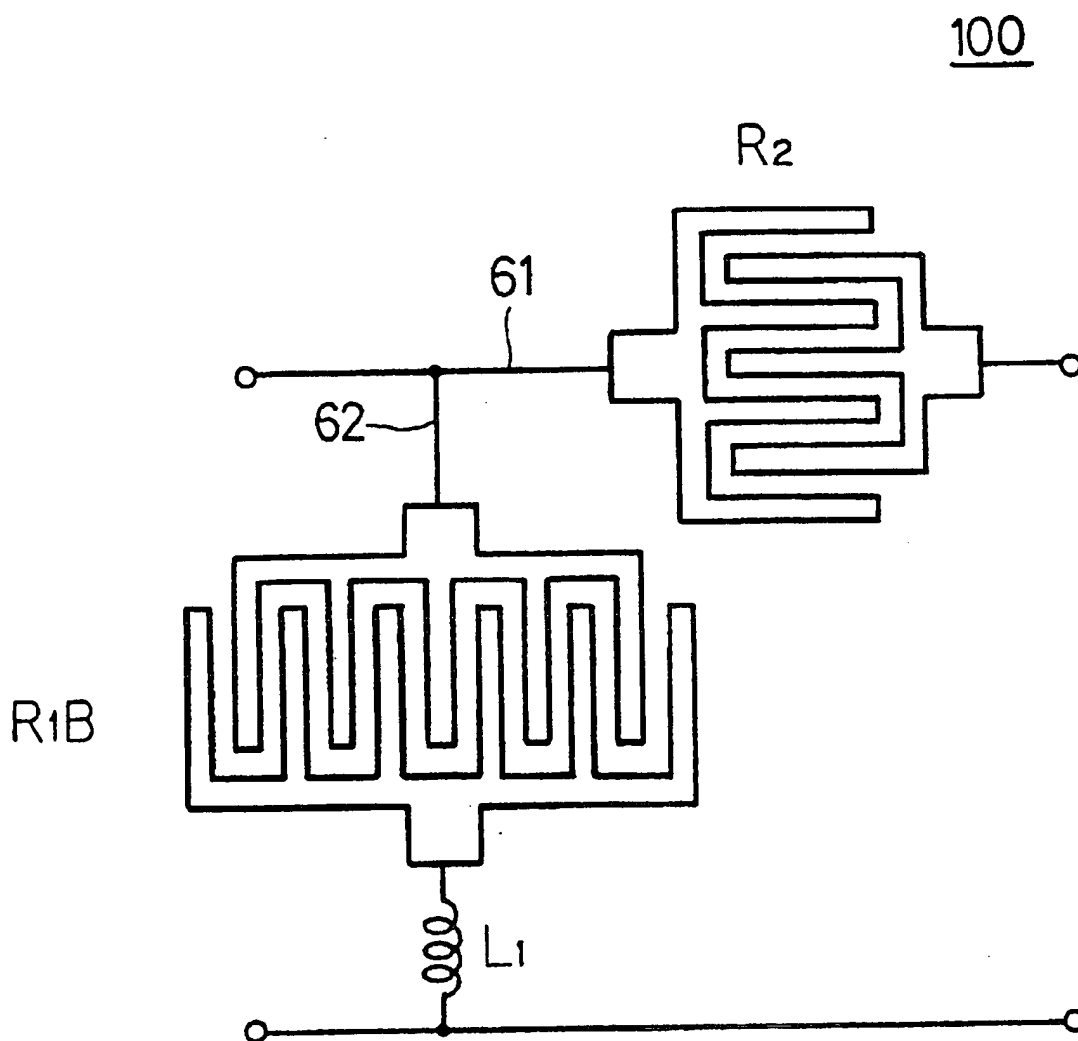


FIG. 21

FIG. 22

FIG. 22

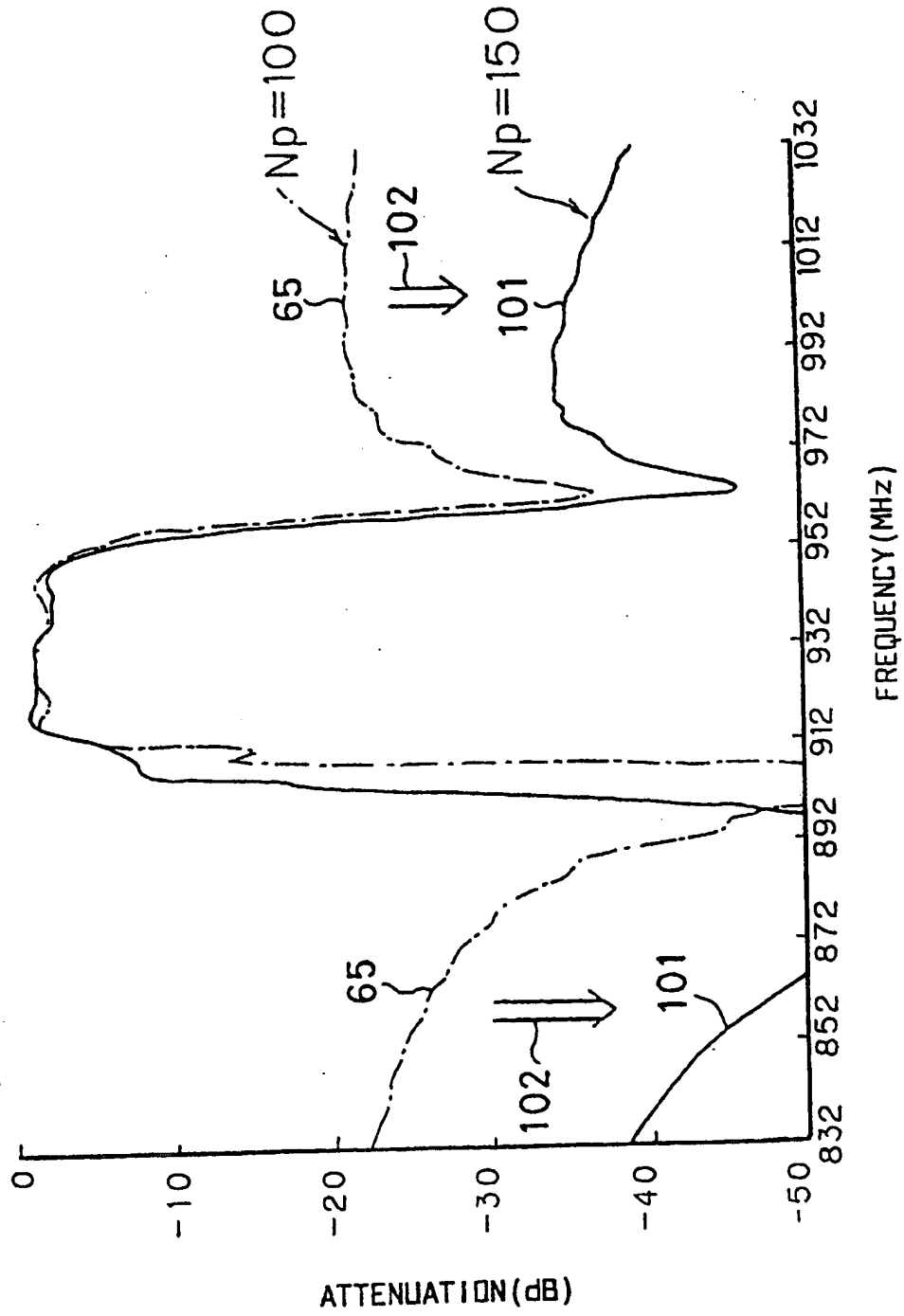


FIG. 23

FIG. 23

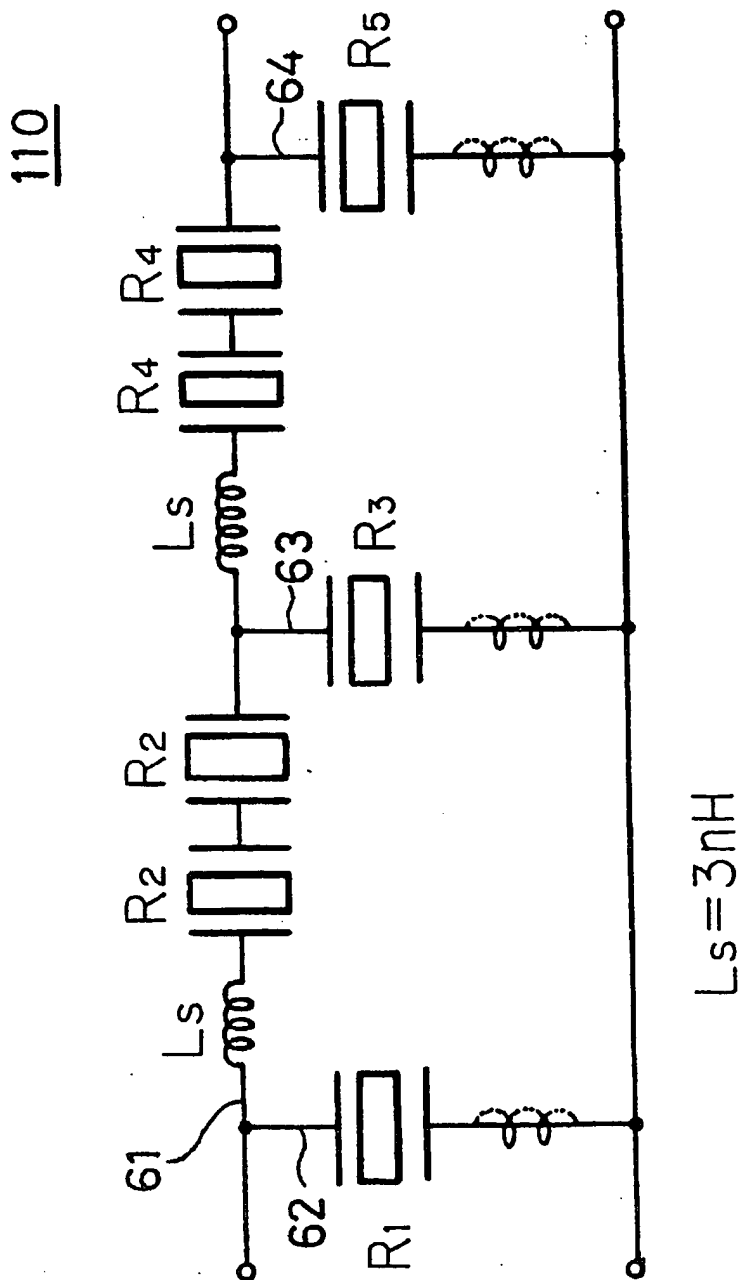


FIG. 24

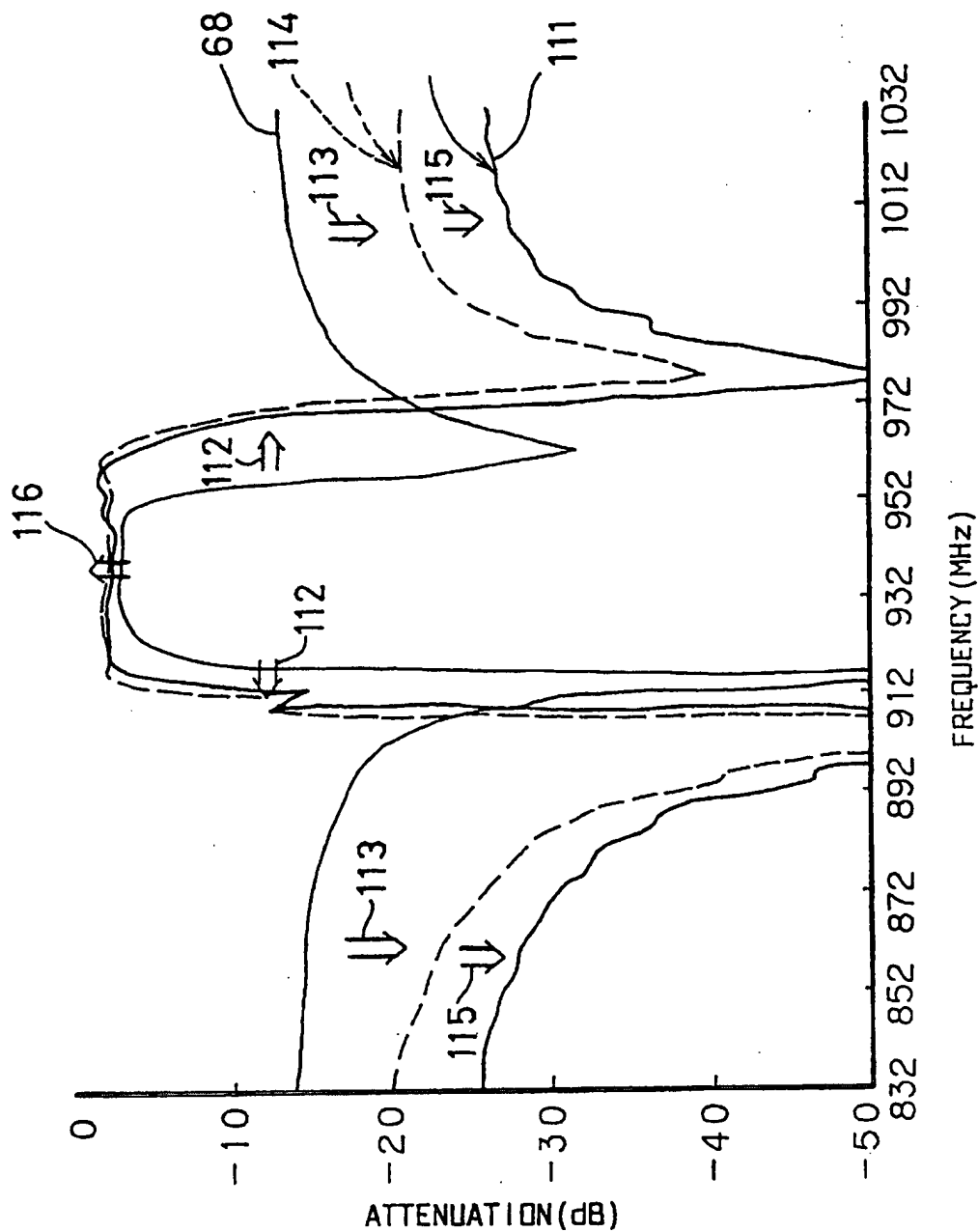


FIG. 25

FIG. 25

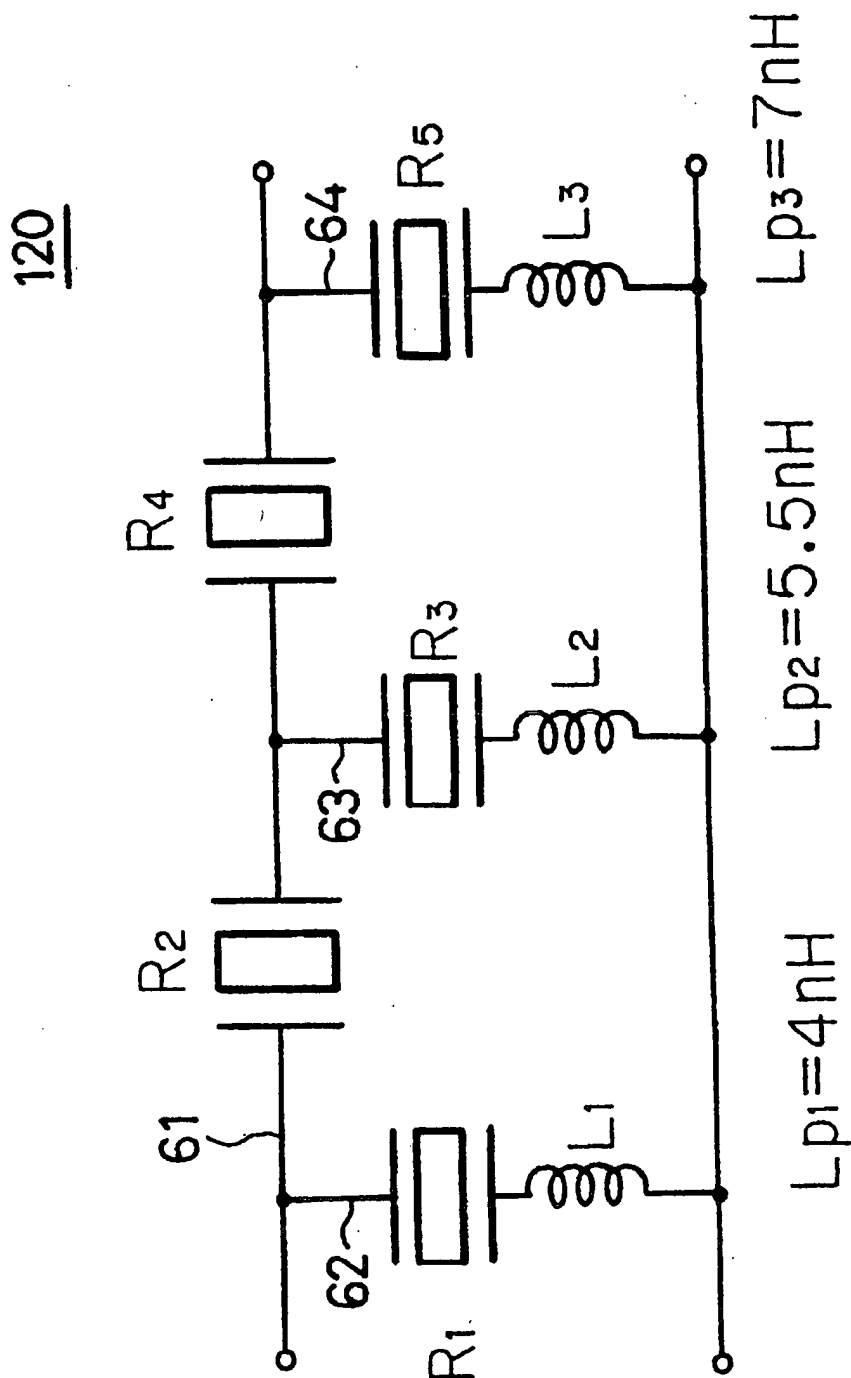




FIG. 26

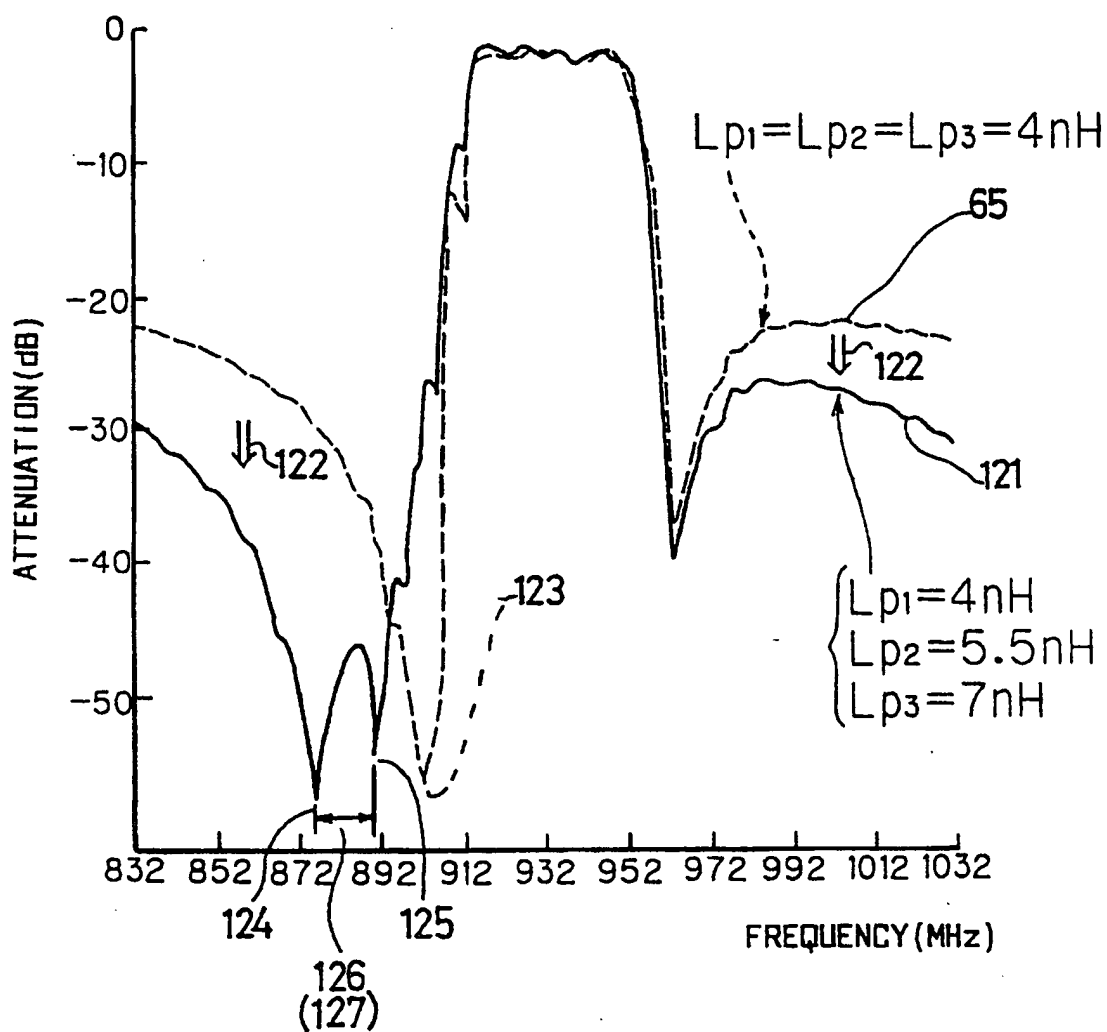


FIG. 27

FIG. 27

130

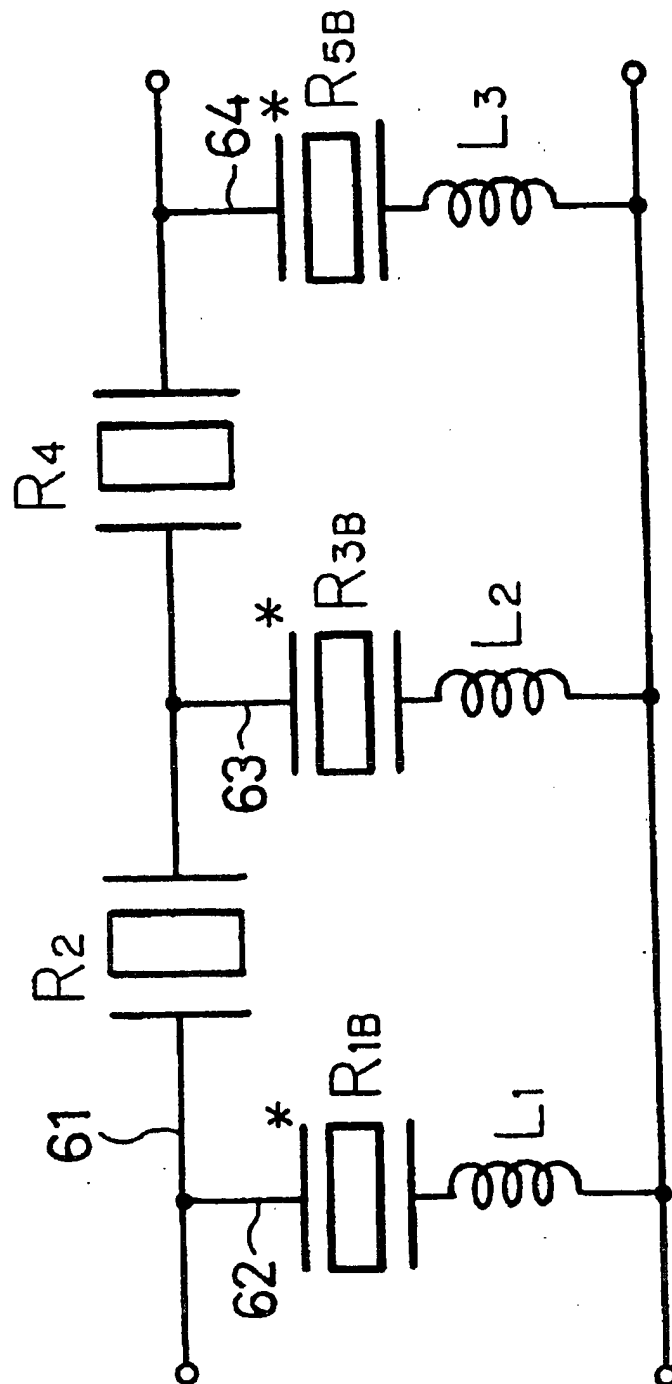
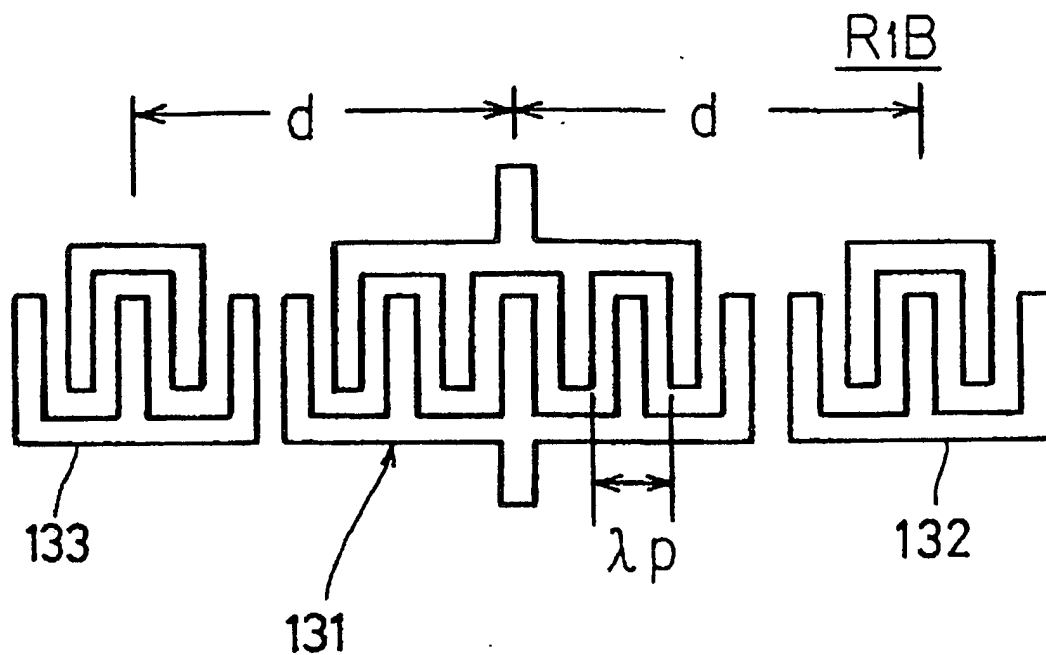


FIG. 28



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FIG. 29

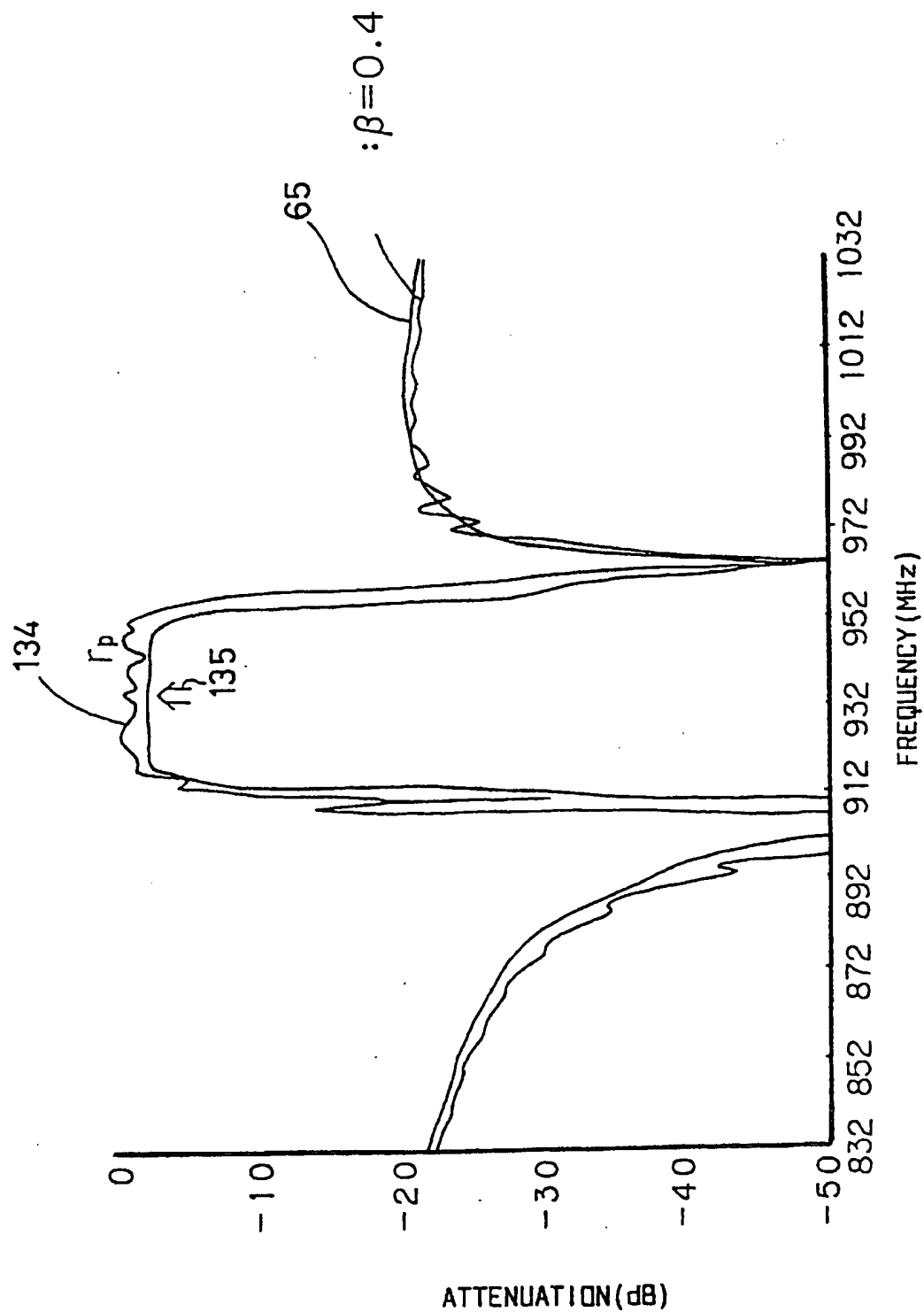


FIG. 30

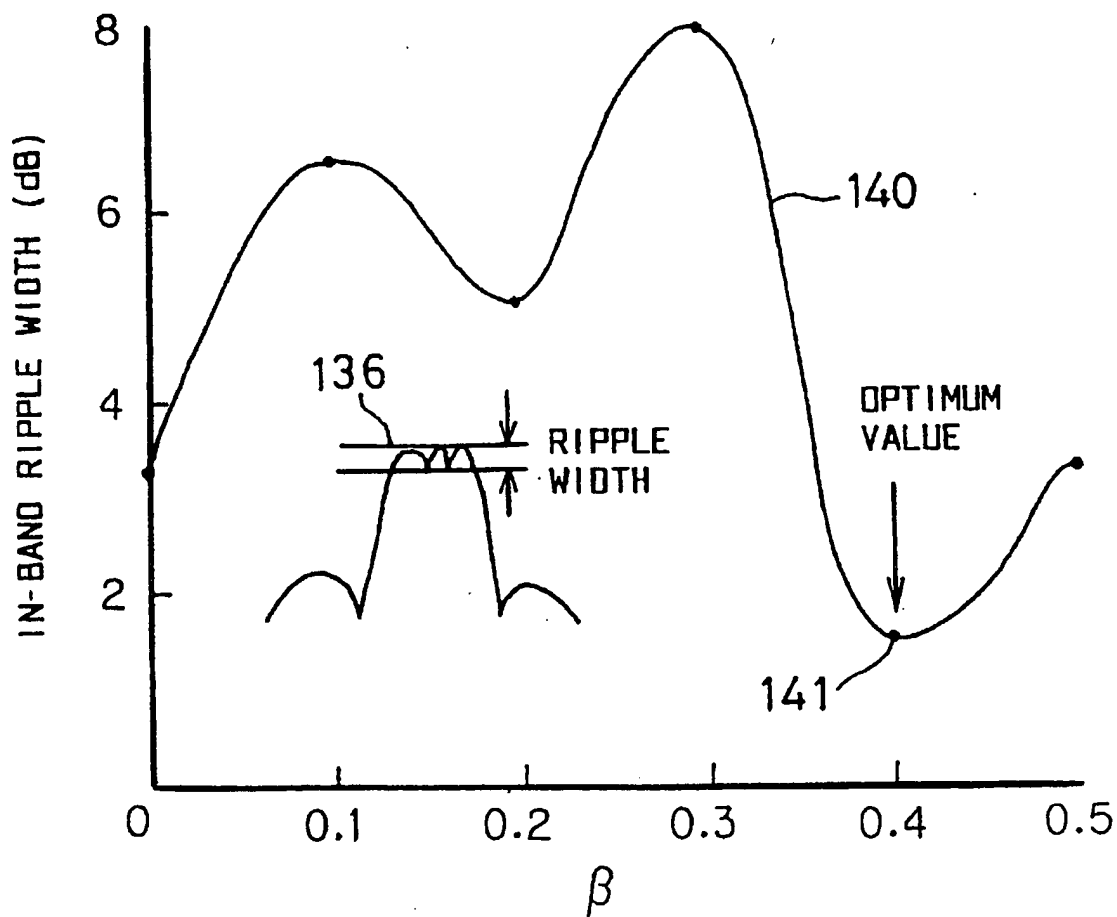
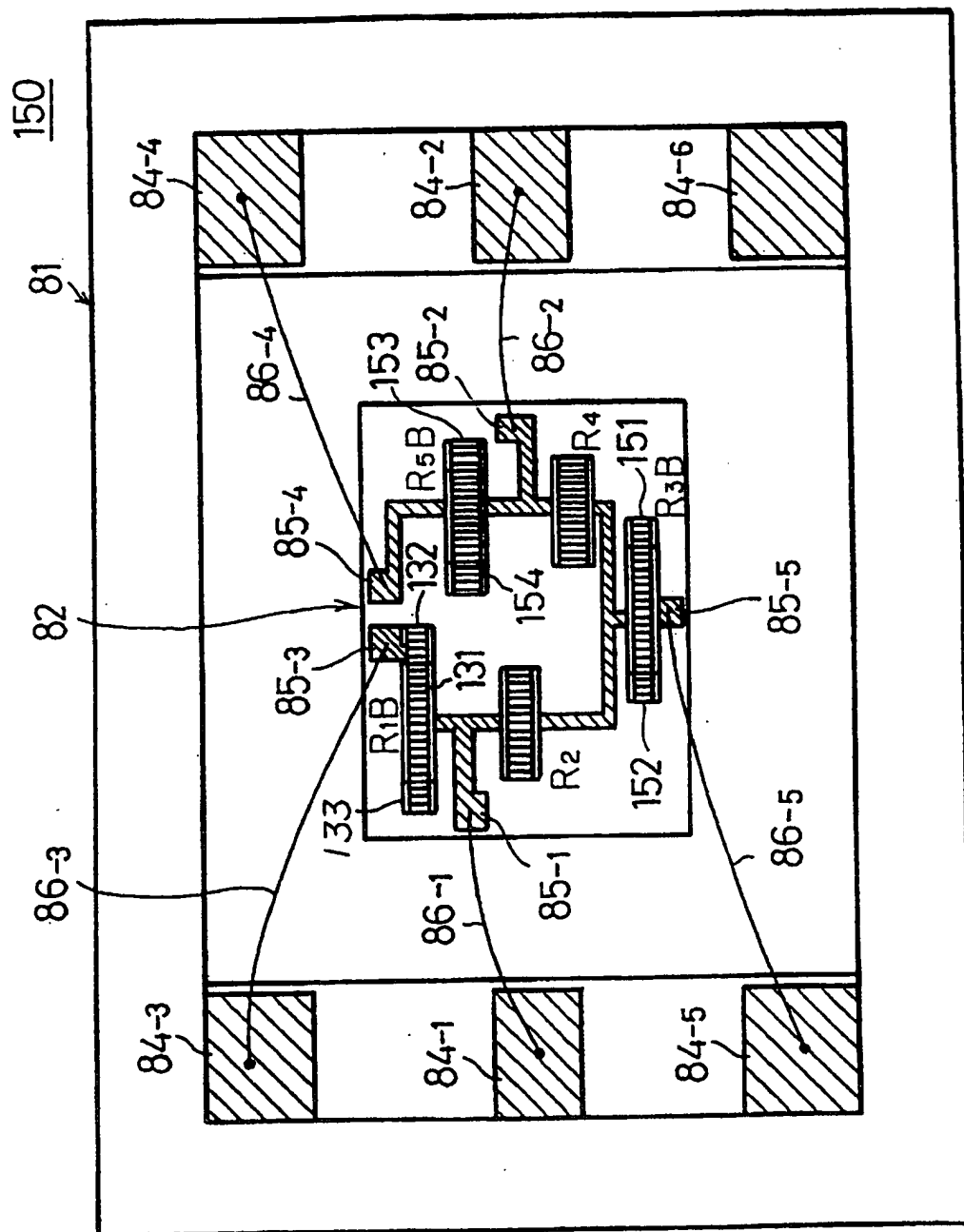
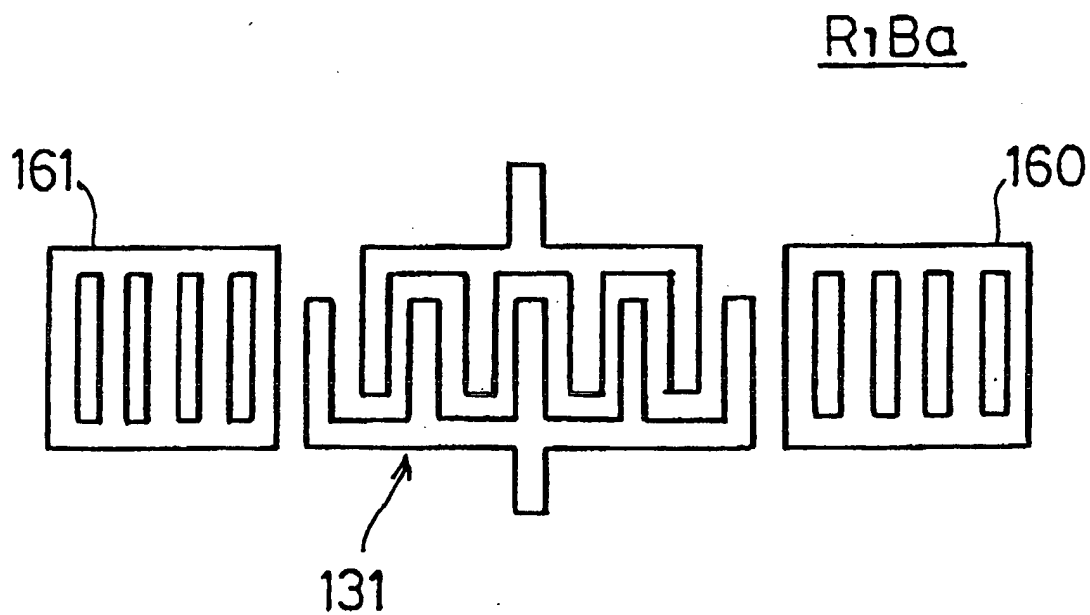
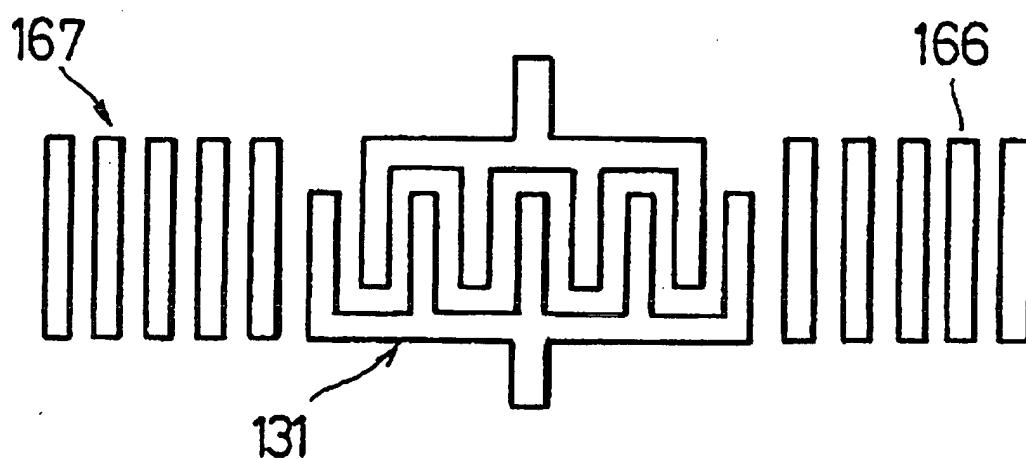


FIG. 31



*FIG. 32*

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RiBb



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FIG. 34

170

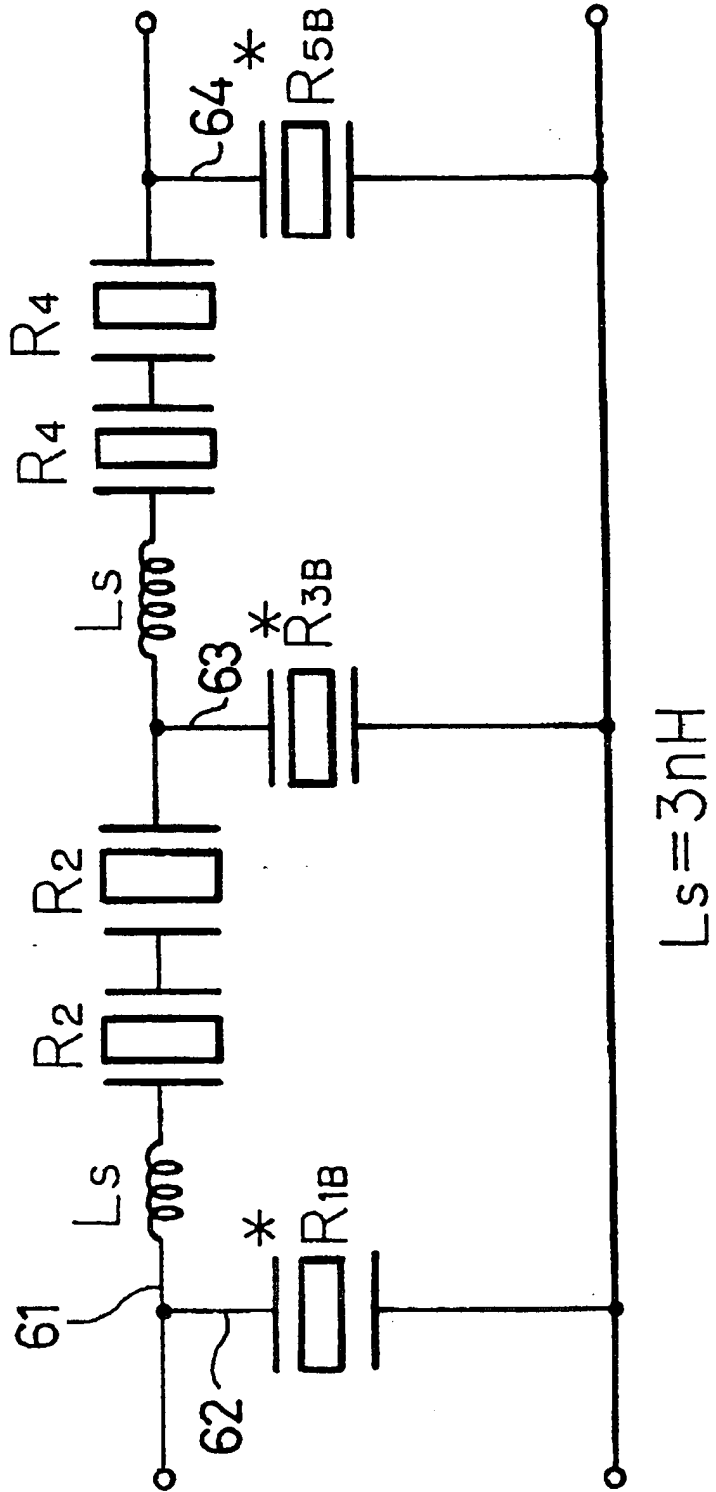


FIG. 35

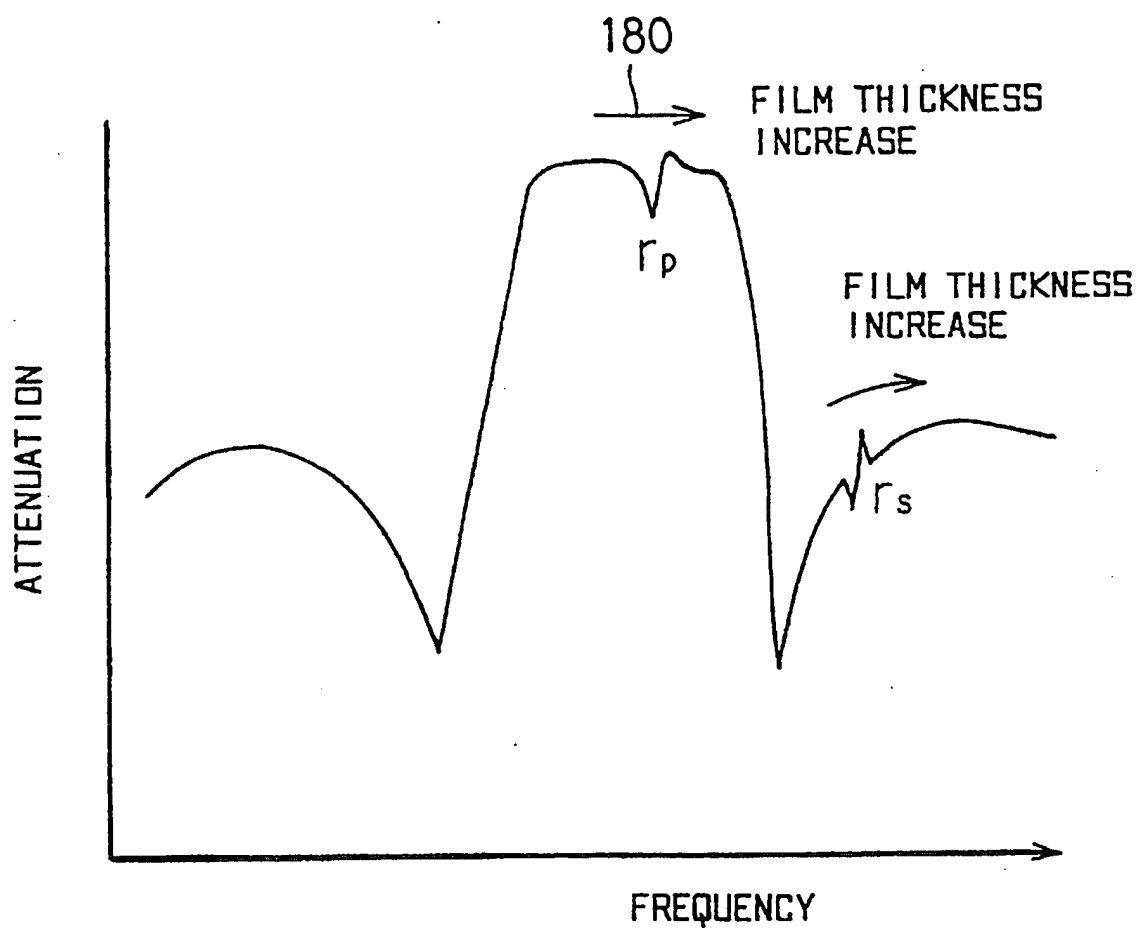


FIG. 36

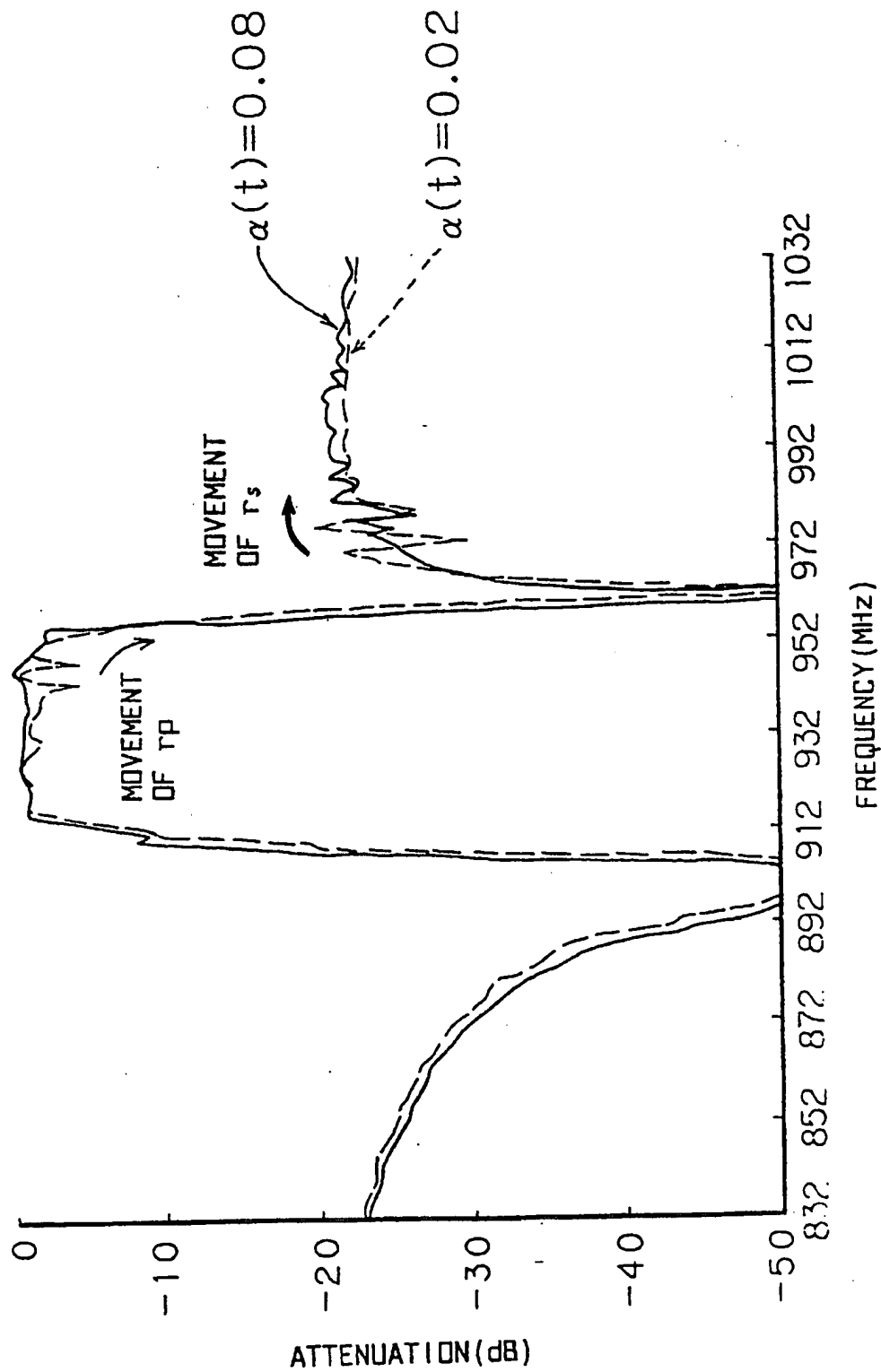


FIG. 37A

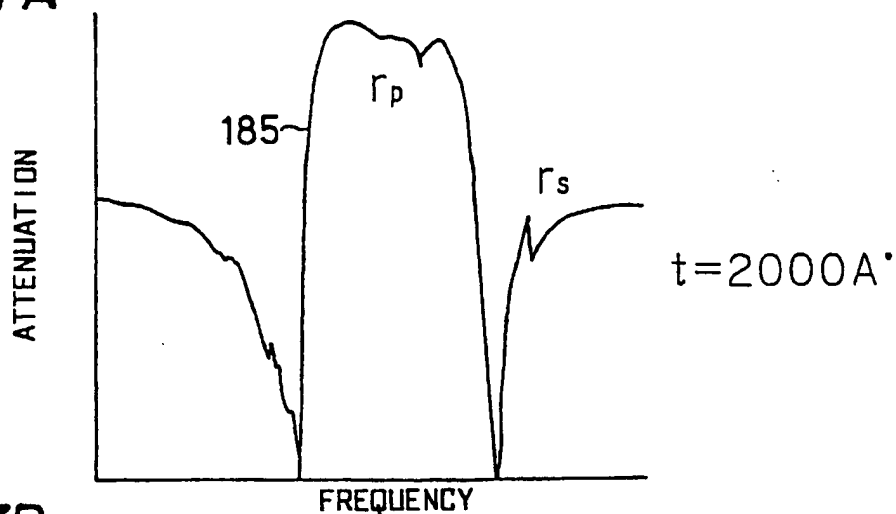


FIG. 37B

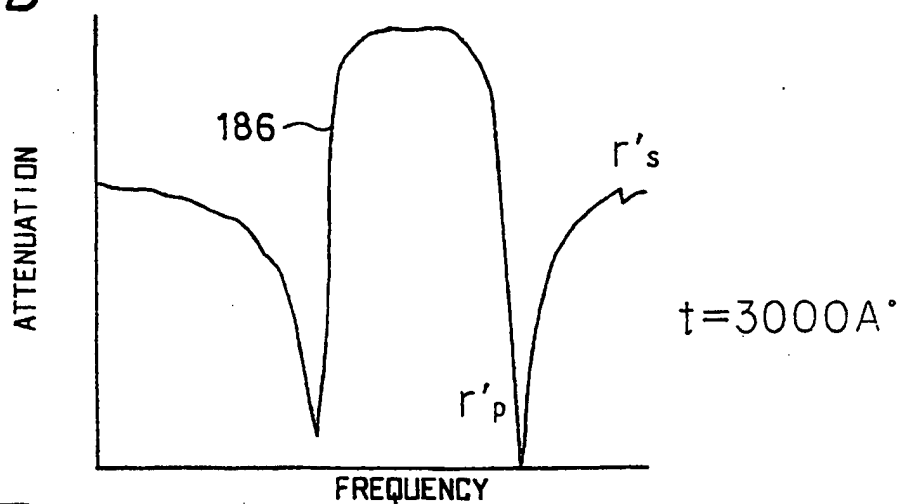
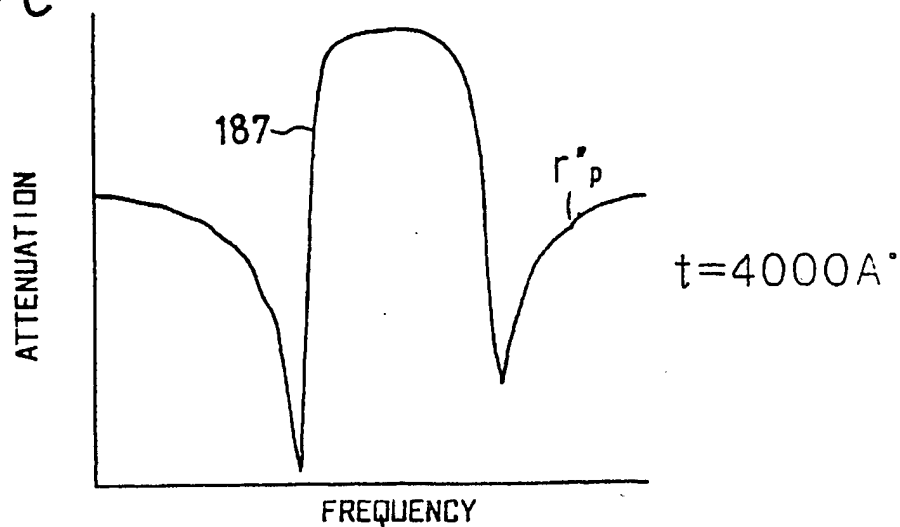


FIG. 37C



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FIG. 38A

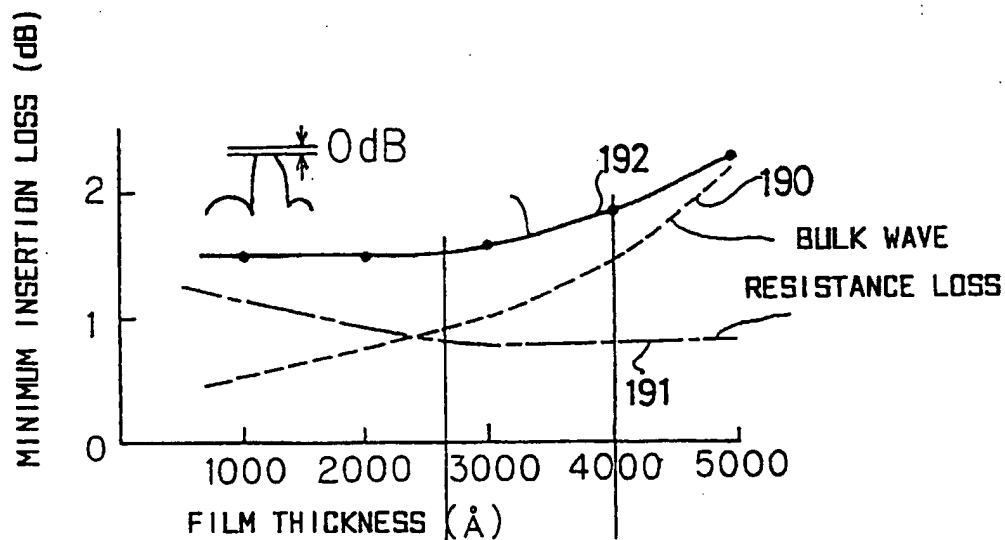


FIG. 38B

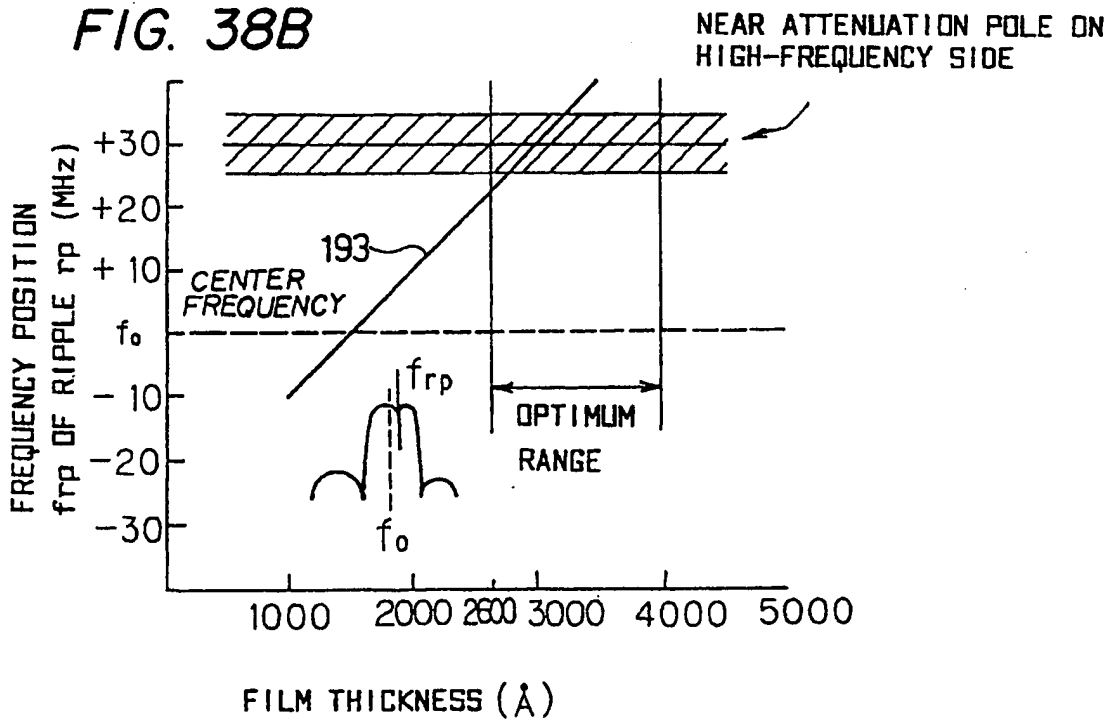
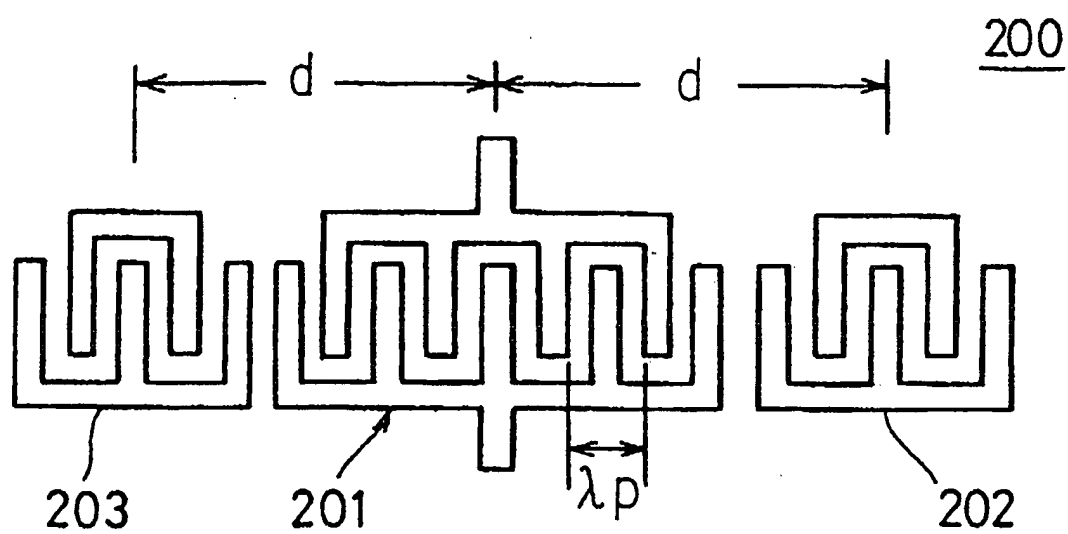


FIG. 39



FOOTNOTES: 081004 09925942-21652660

FIG. 40

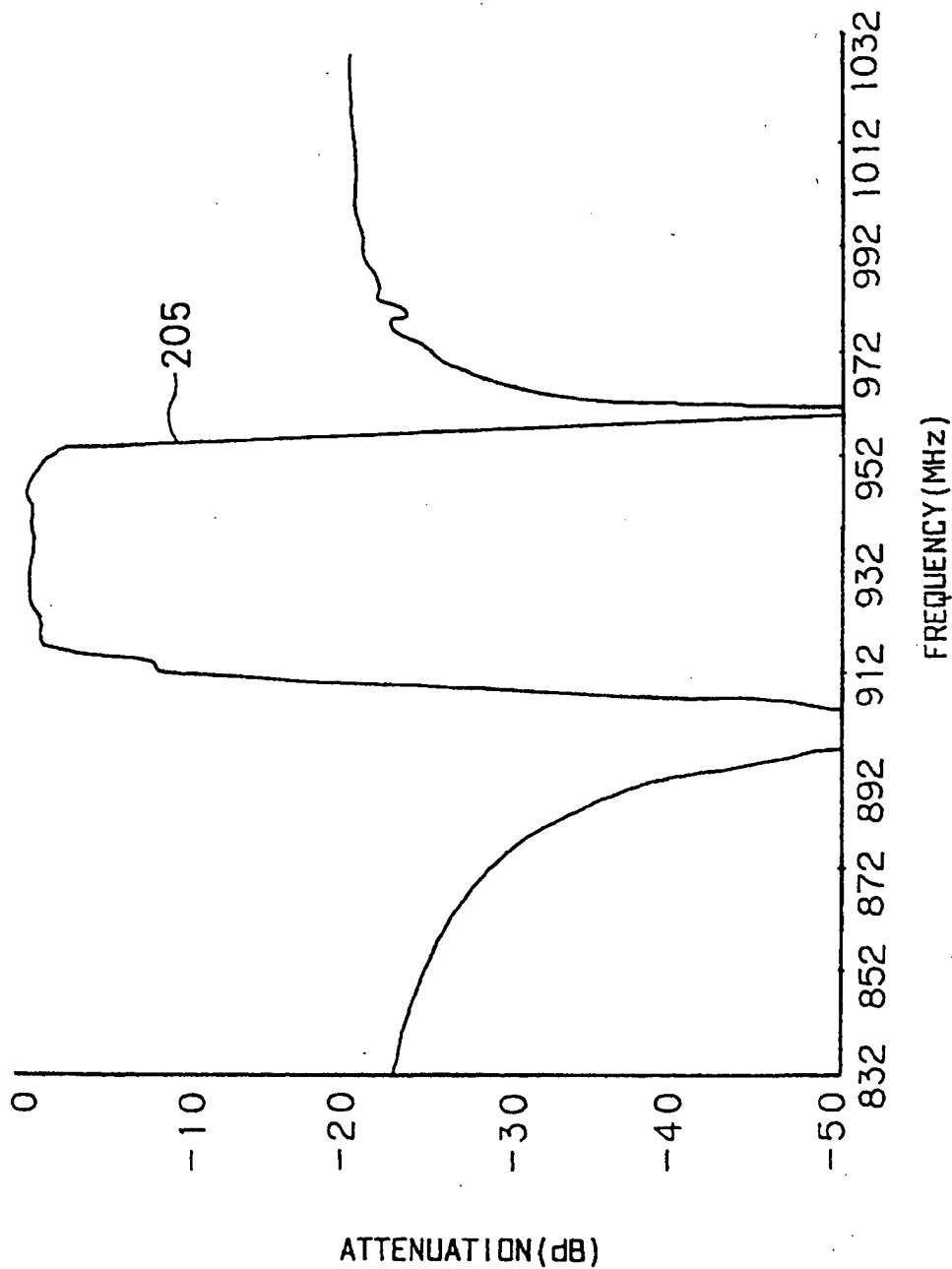
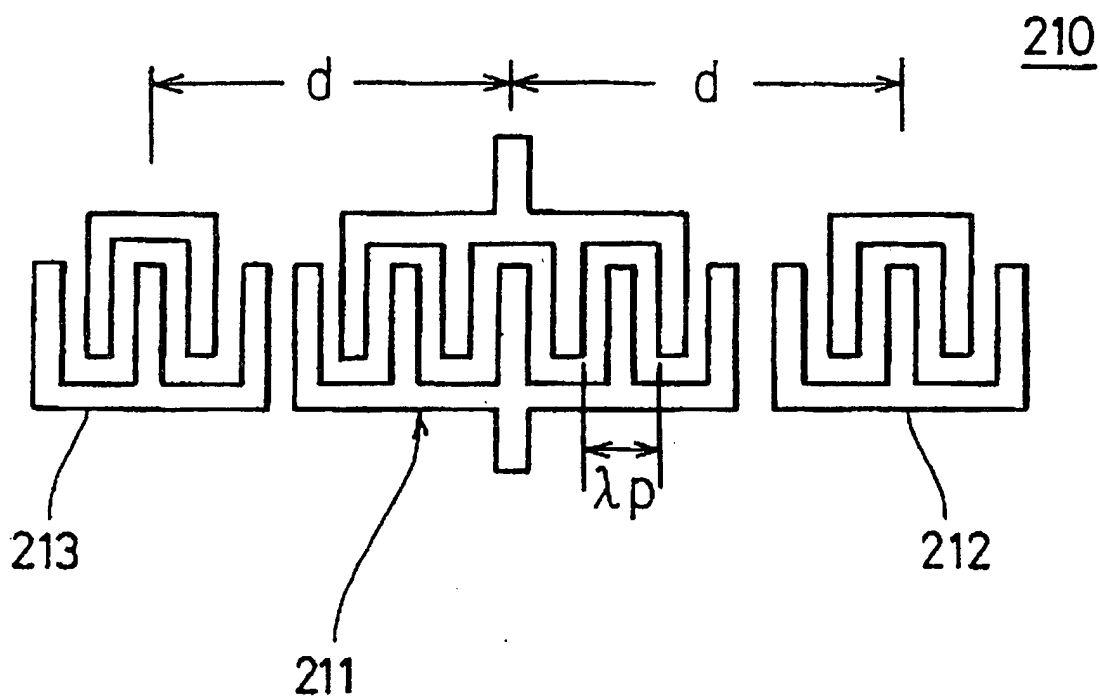


FIG. 41



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FIG. 42

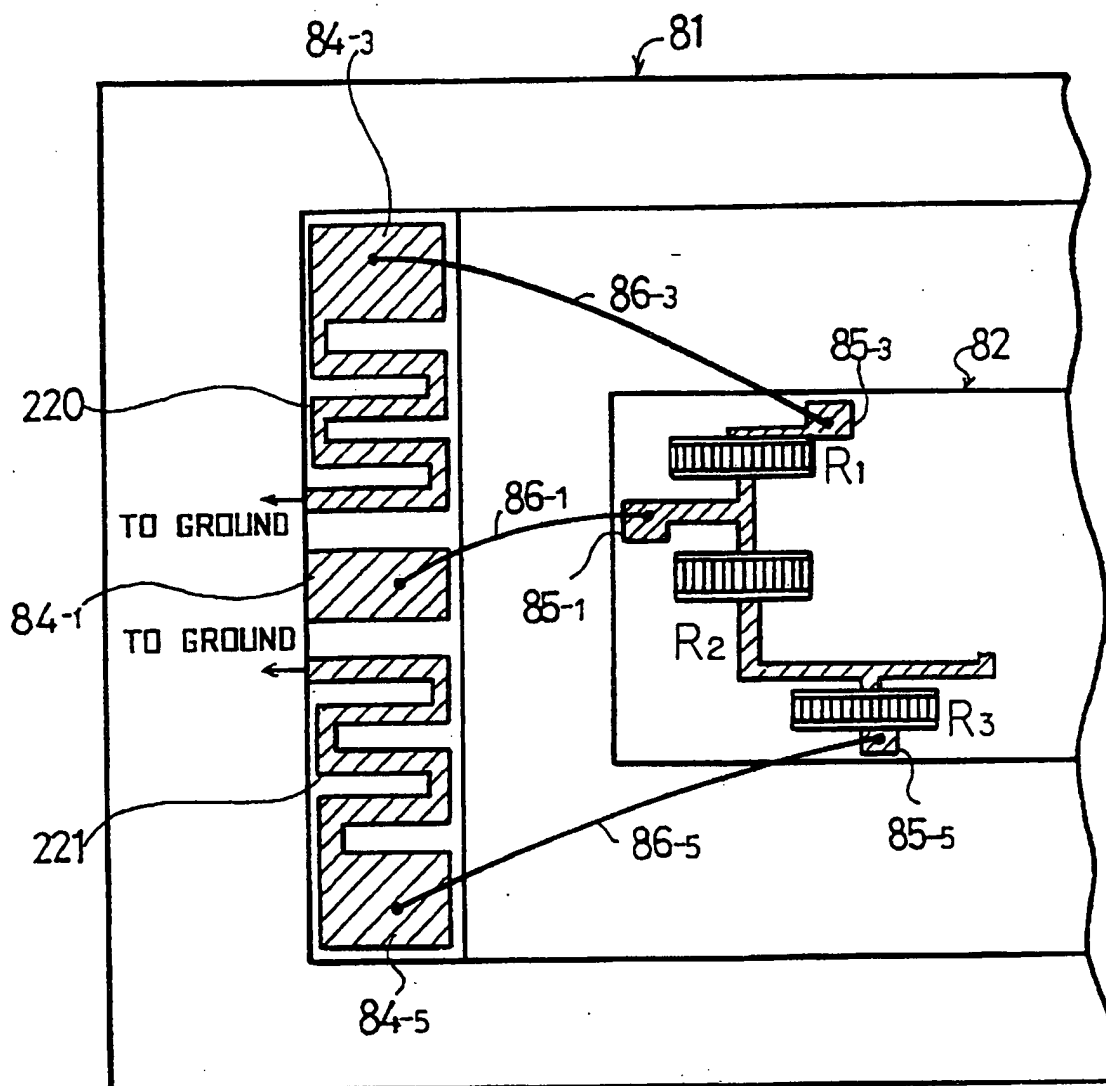


FIG. 42

FIG. 43

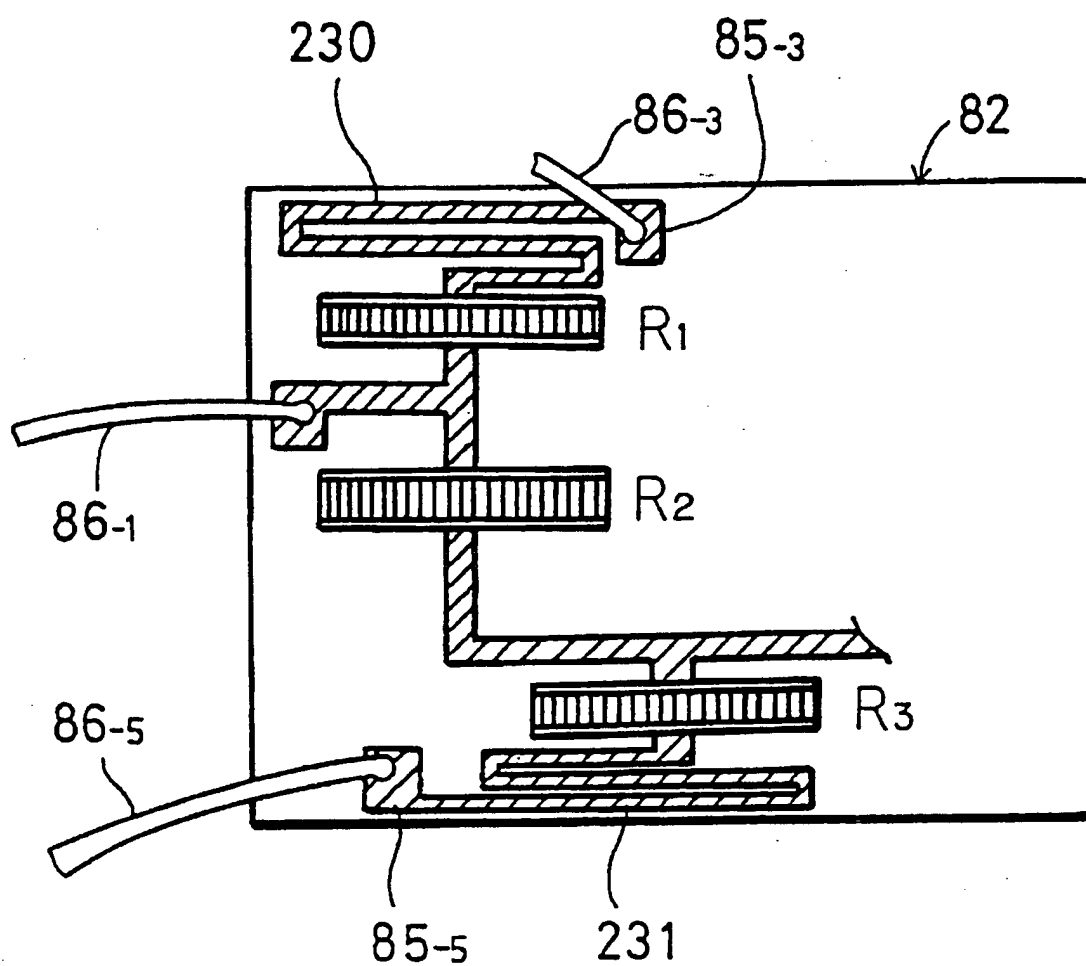
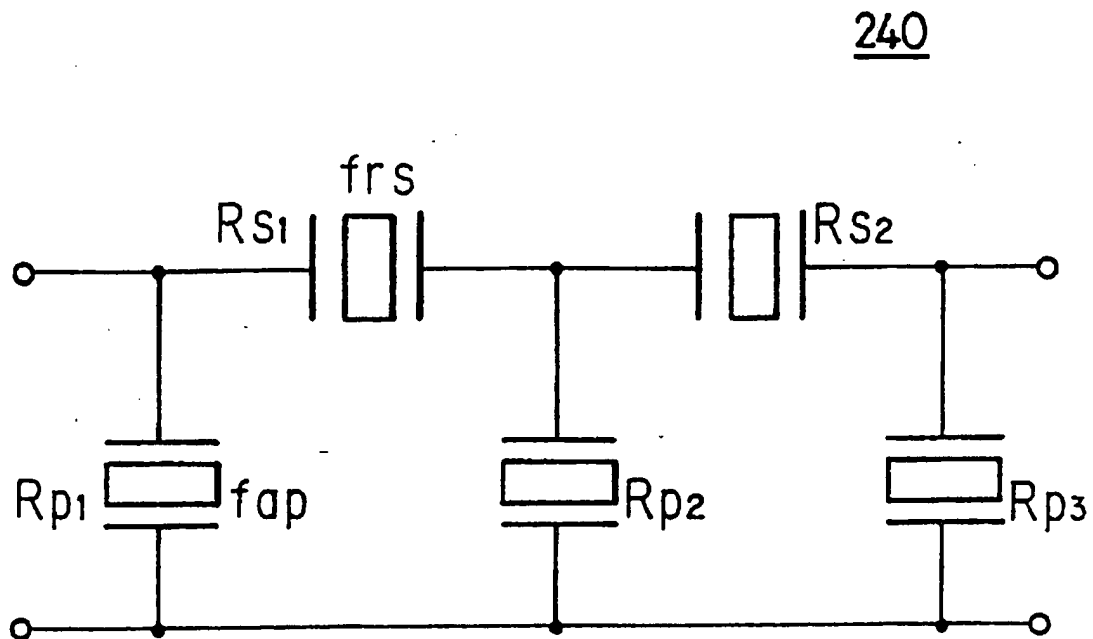
[illegible]

FIG. 44

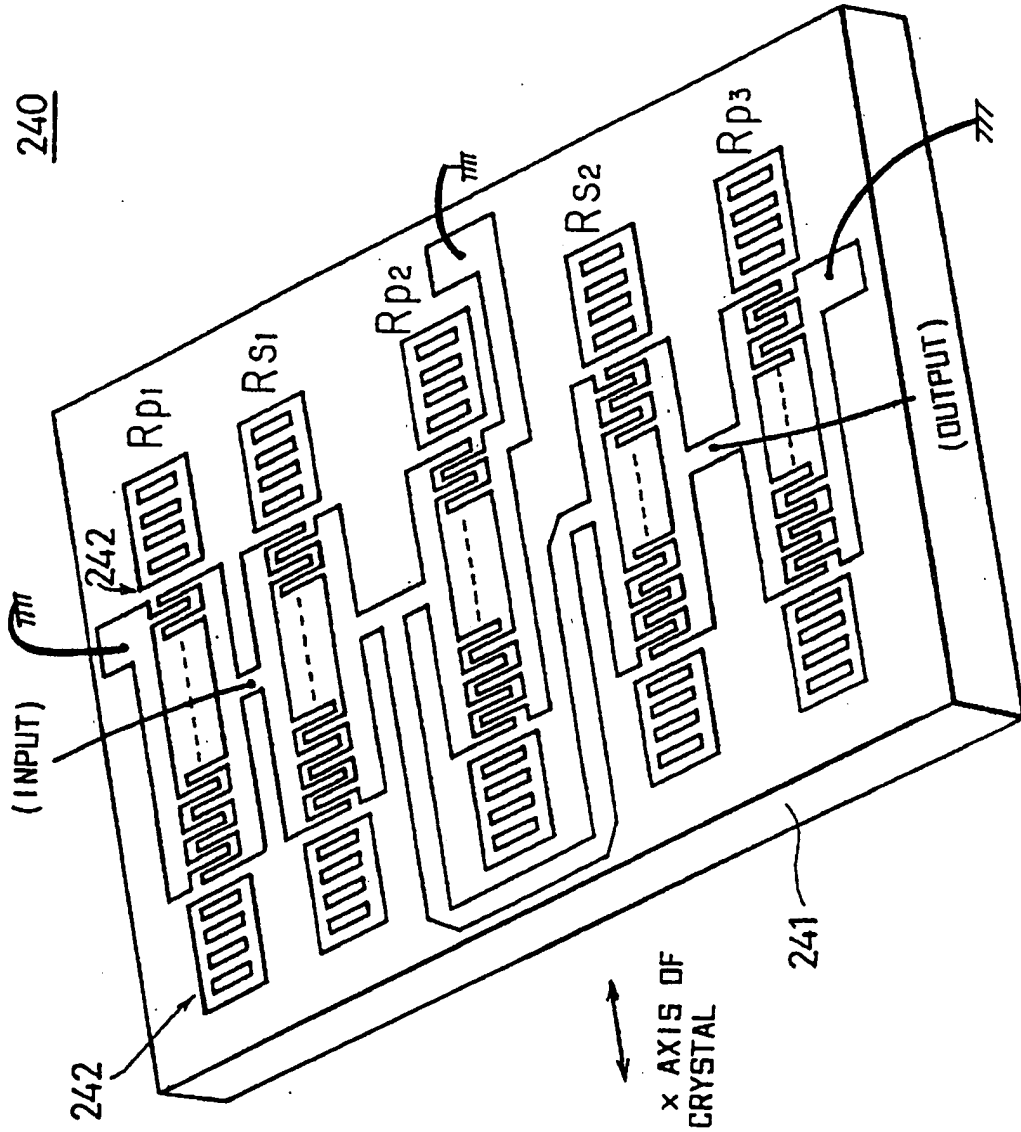


$$f_{rs} > f_{ap}$$

$$f_{rs} - f_{ap} = 19\text{MHz}$$

FIG. 44

FIG. 45



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FIG. 46A

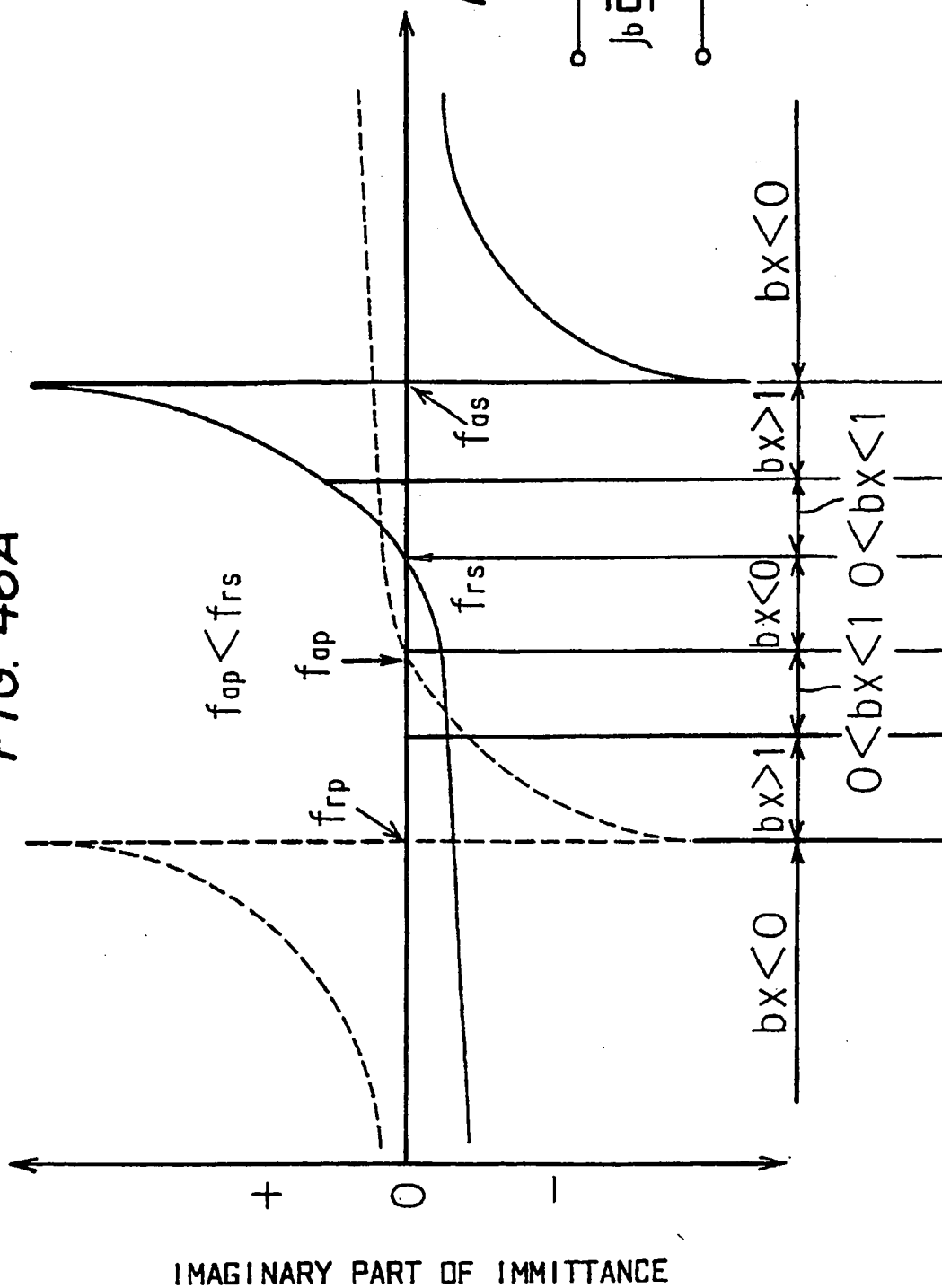


FIG. 46B

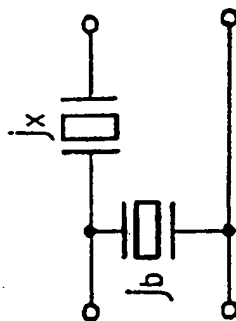


FIG. 47A

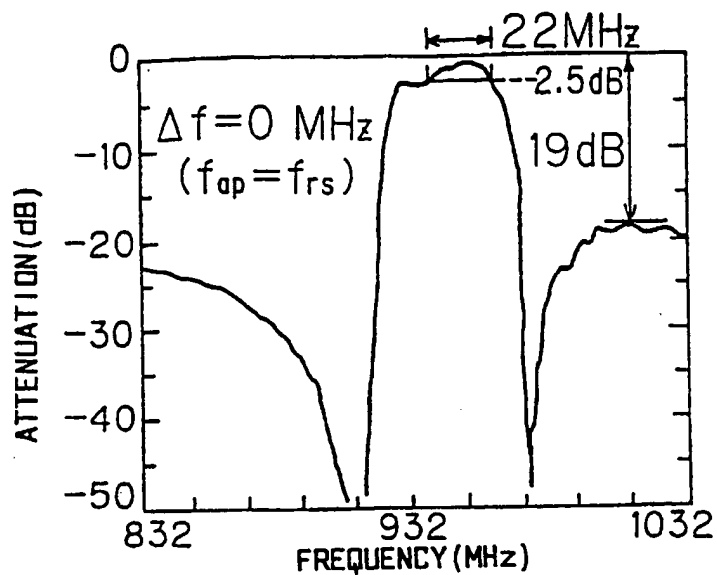


FIG. 47B

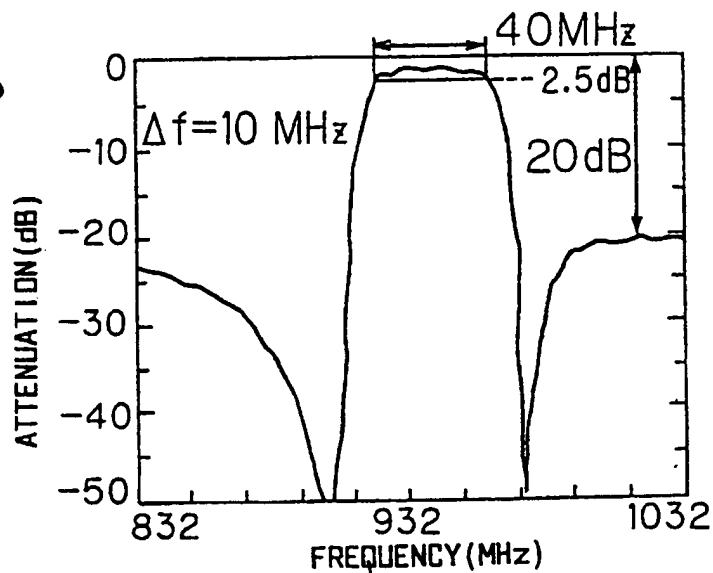
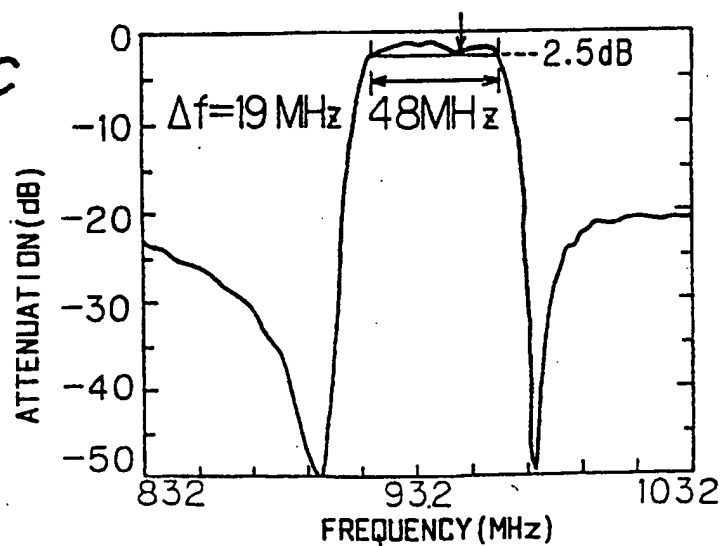


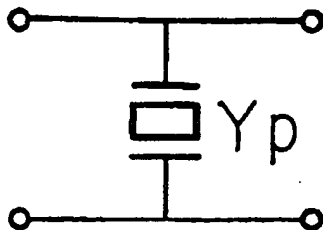
FIG. 47C



FOOTPRINT 21652660

**FIG. 48A**

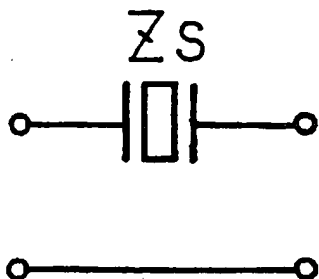
ATTENUATION



$$Y_p = \frac{1}{25} \left( \frac{1 - S_{21}}{S_{21}} \right) (S)$$

**FIG. 48B**

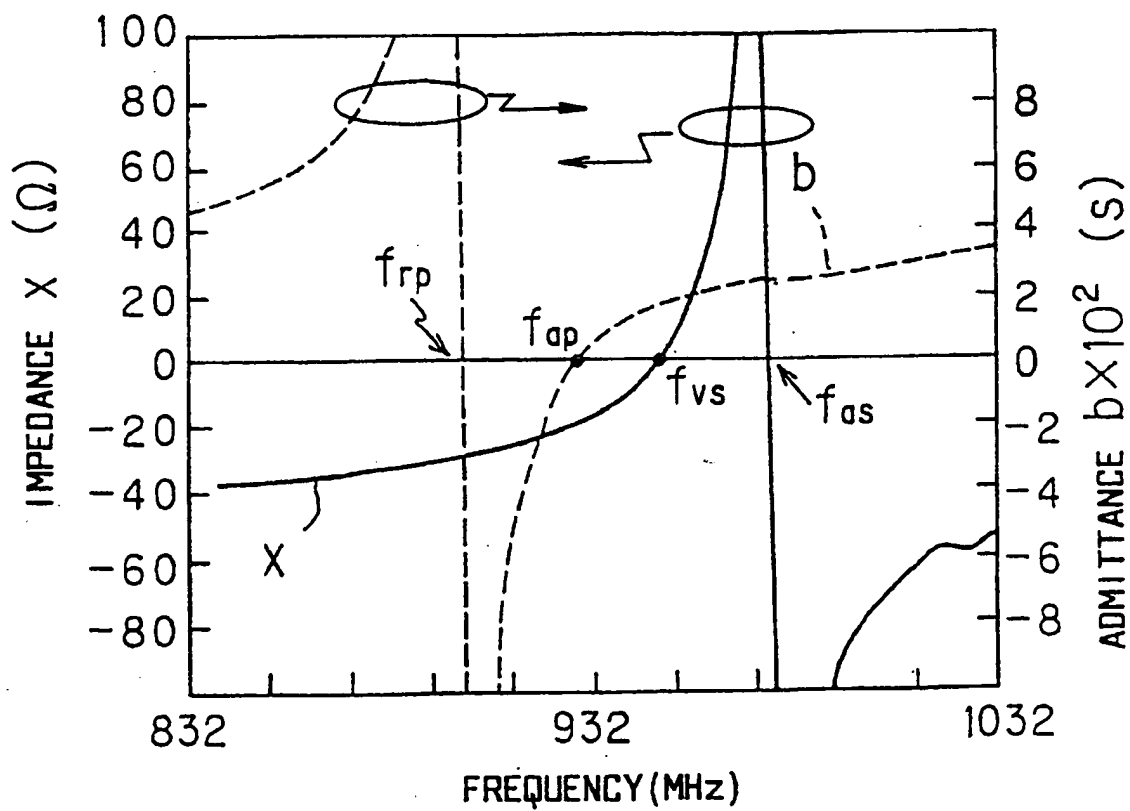
IMPEDANCE



$$Z_s = 100 \left( \frac{1 - S_{21}}{S_{21}} \right) (\Omega)$$

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FIG. 49



FOOTED 24652660



FIG. 50

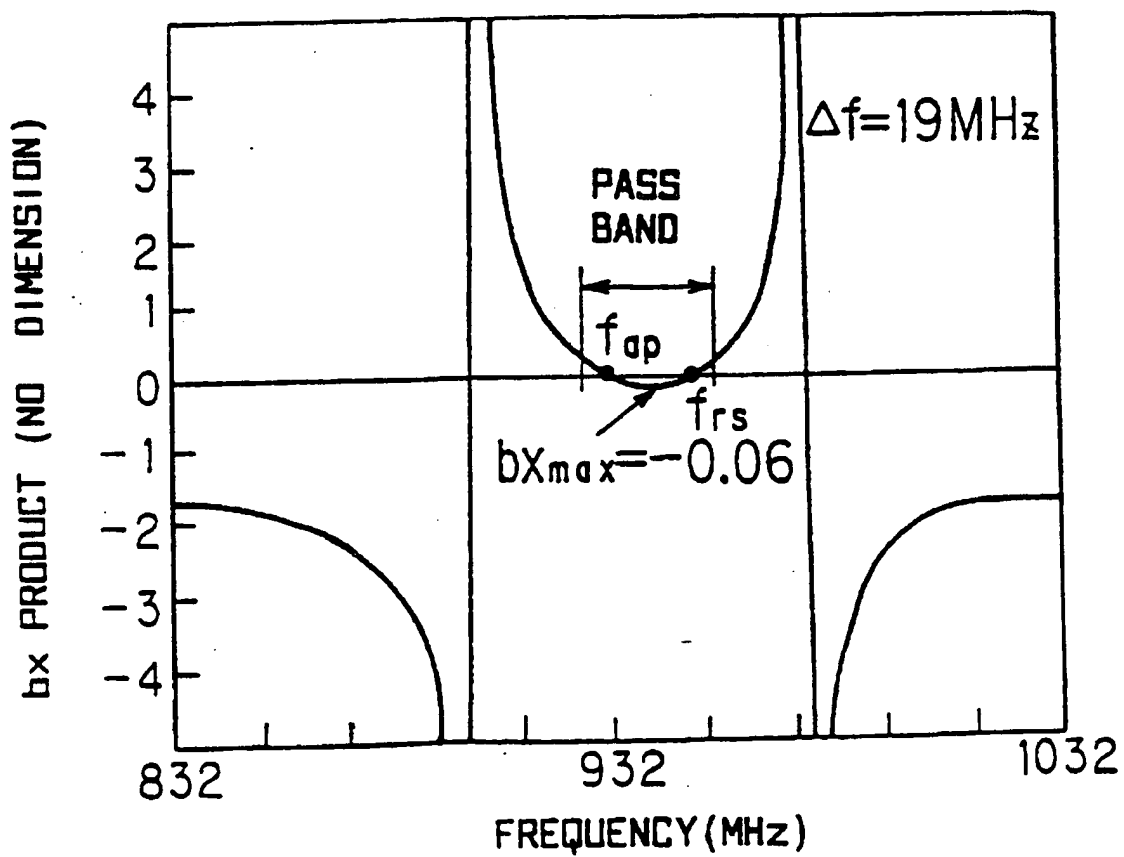


FIG. 51

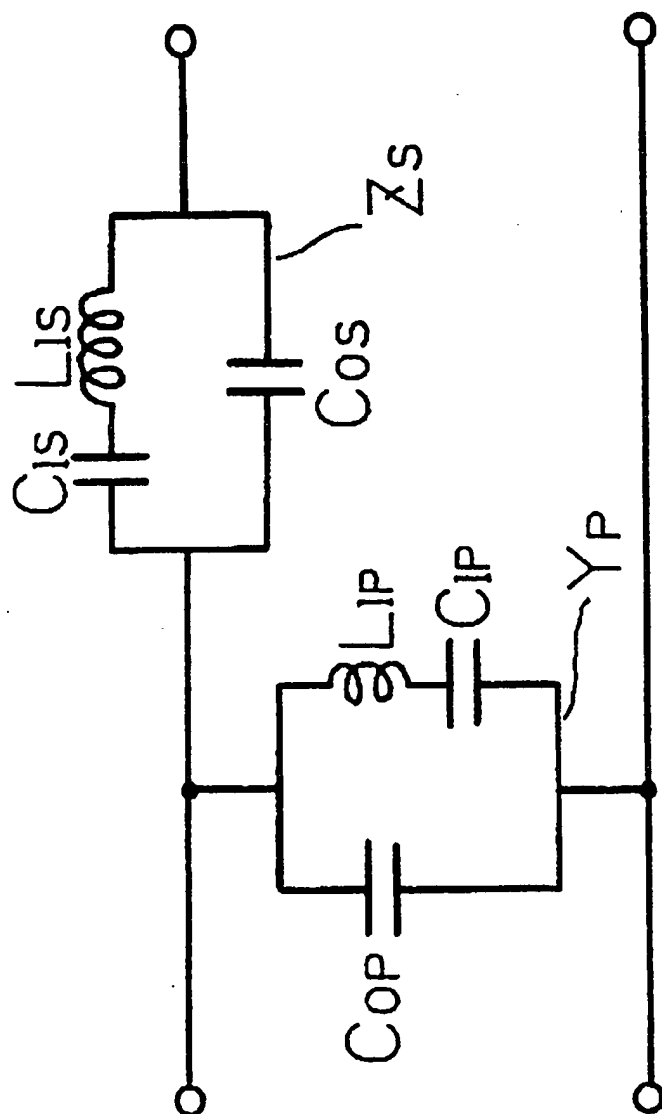


FIG. 52

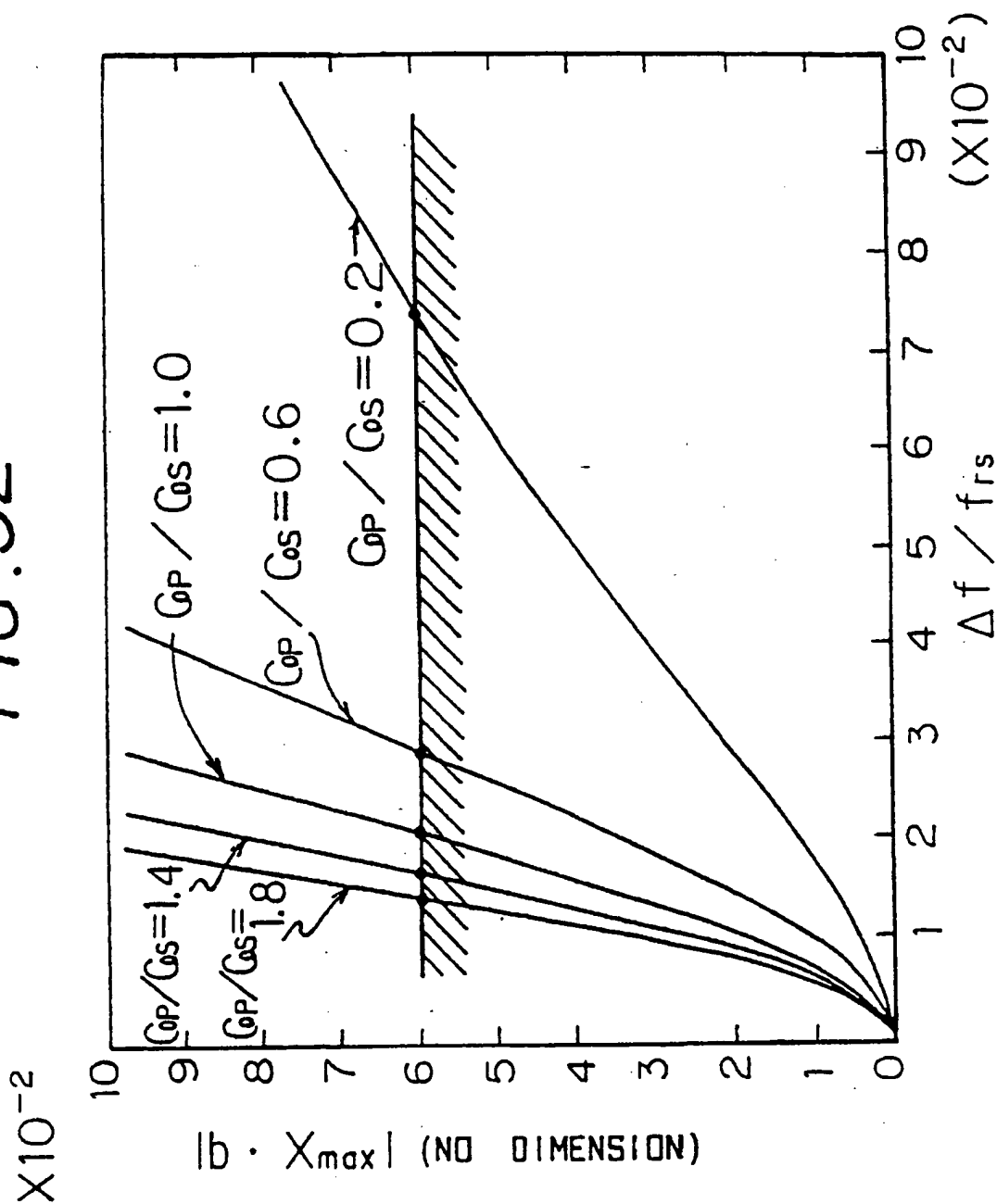


FIG. 53

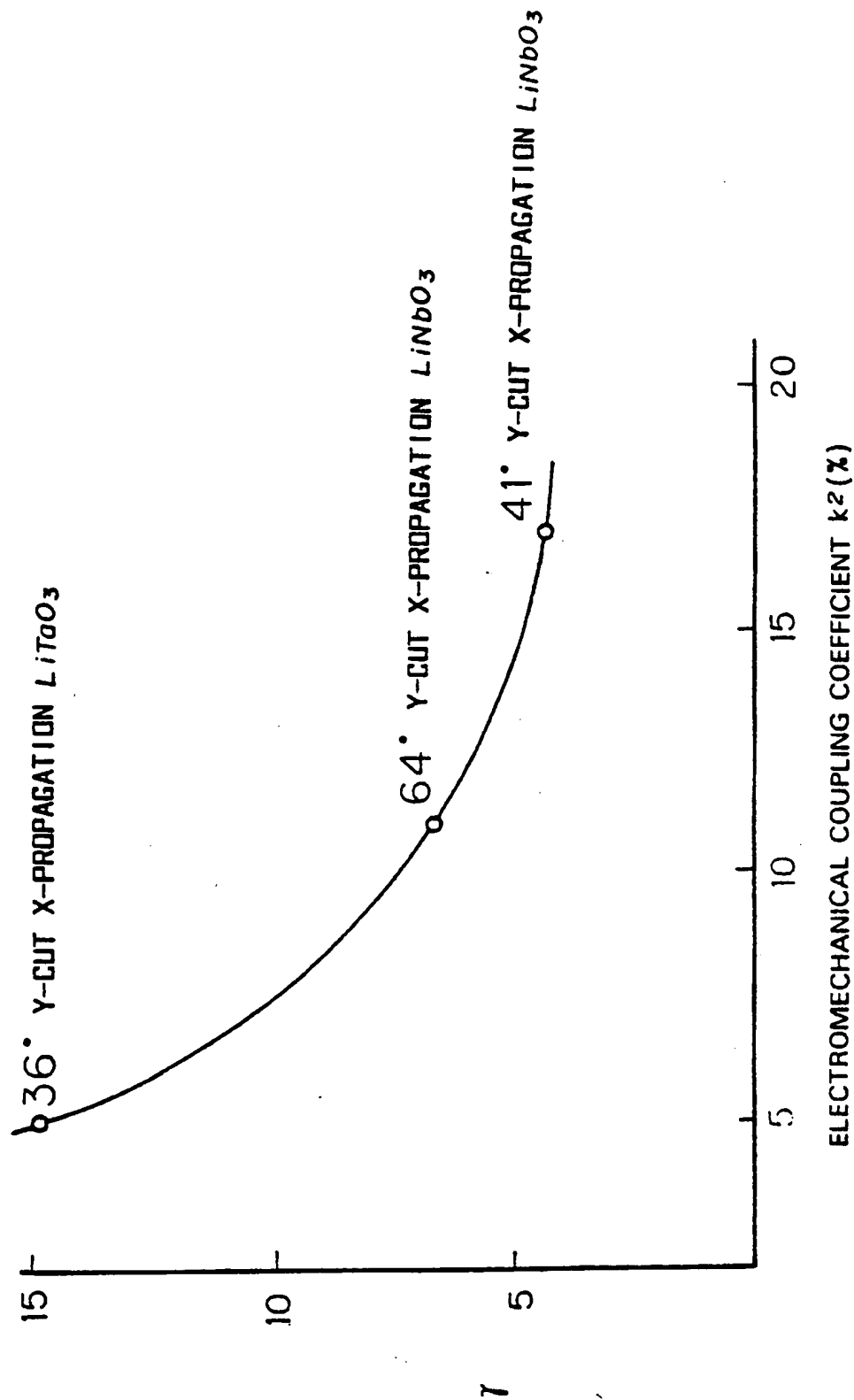


FIG. 54

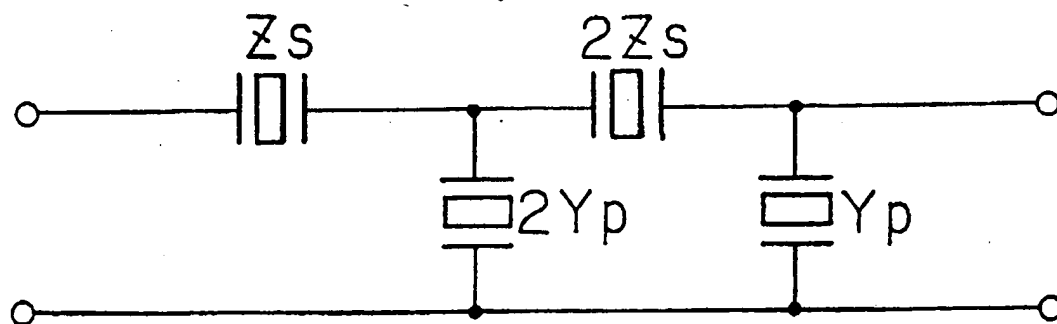
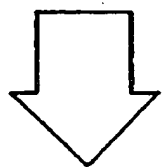
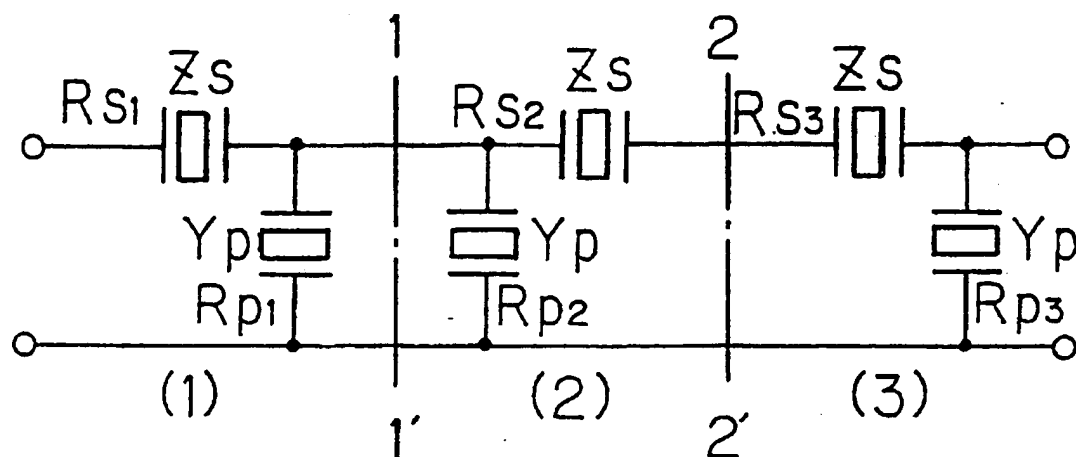
250

FIG. 55

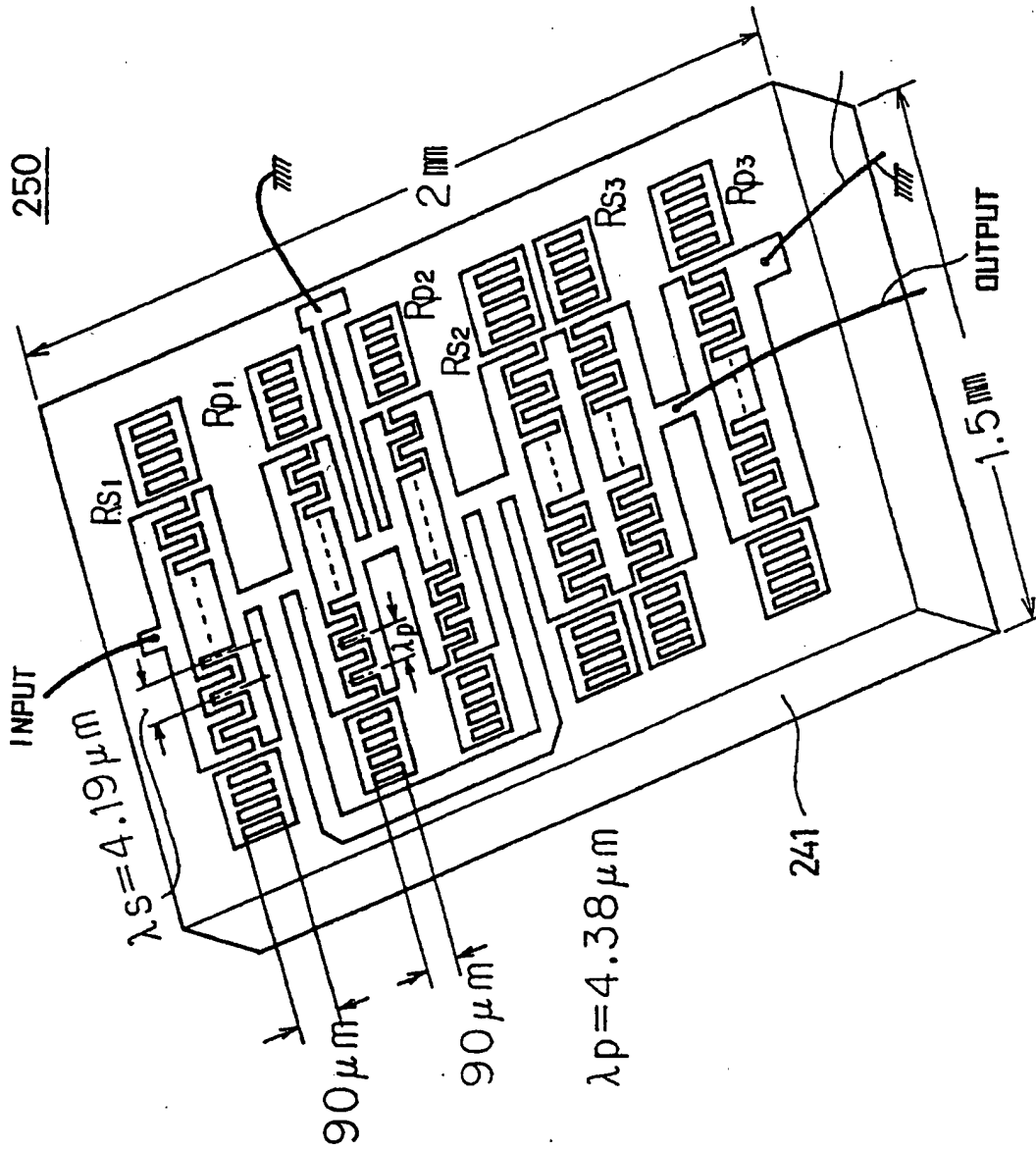


FIG. 56

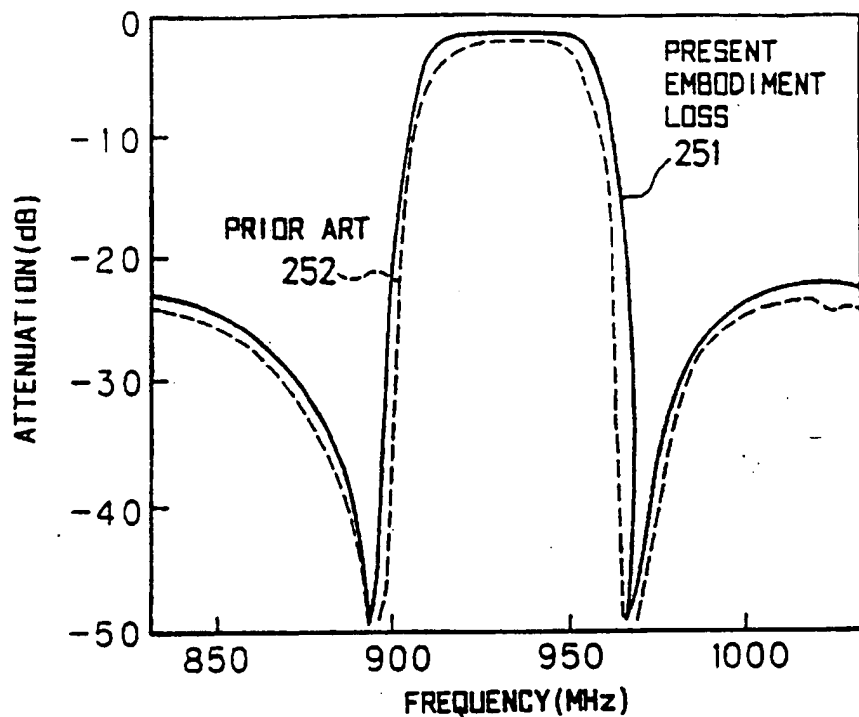


FIG. 57

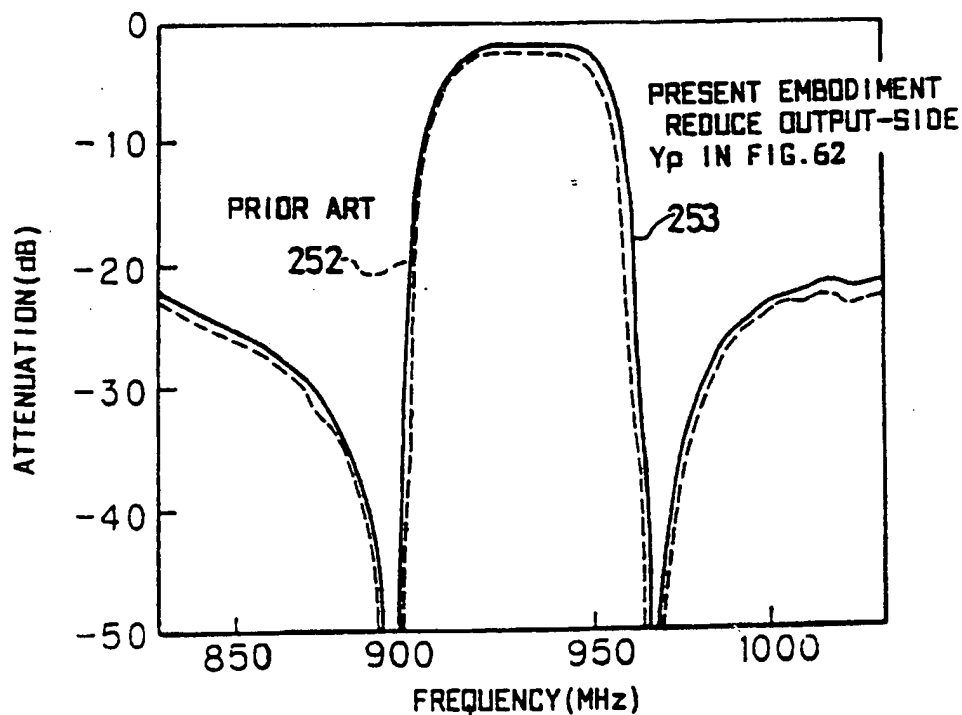


FIG. 58A

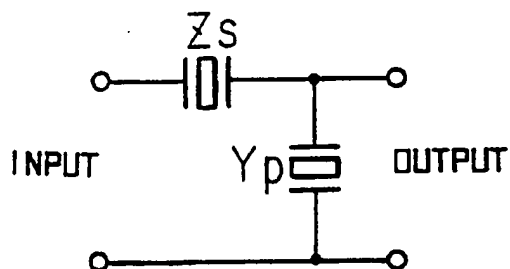


FIG. 58B

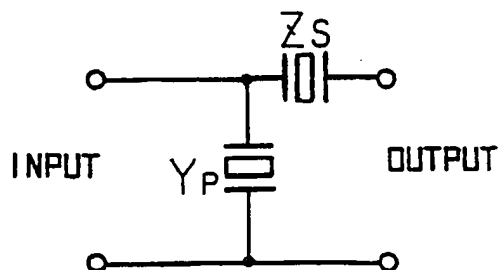
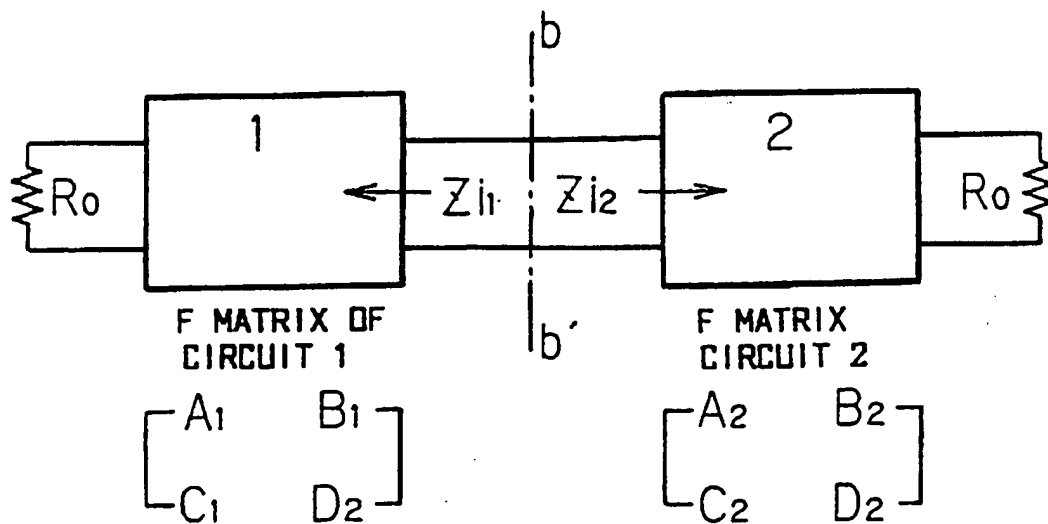


FIG. 60



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FIG. 59A

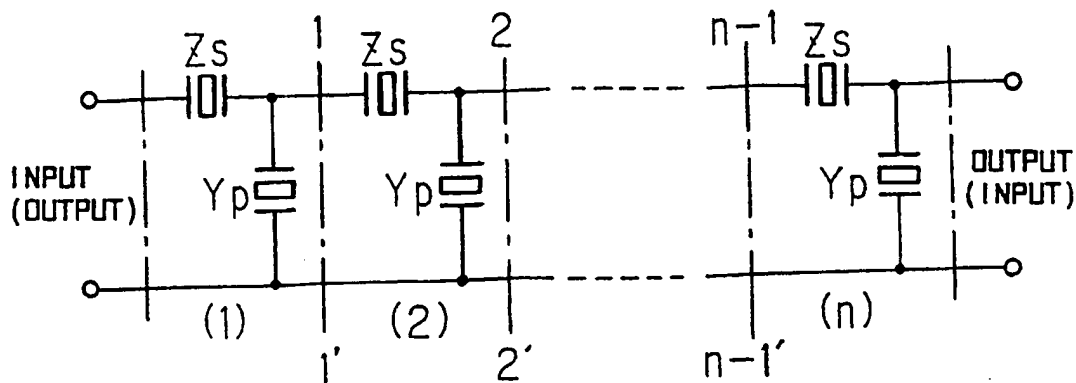


FIG. 59B

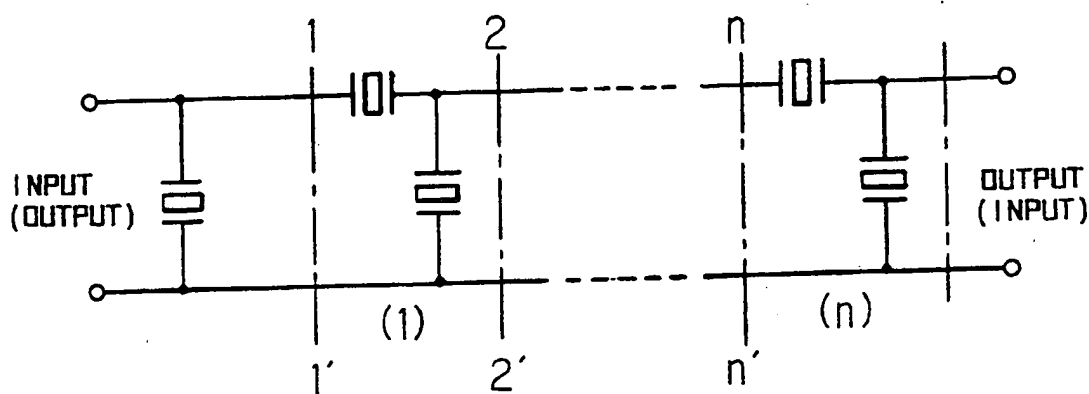


FIG. 59C

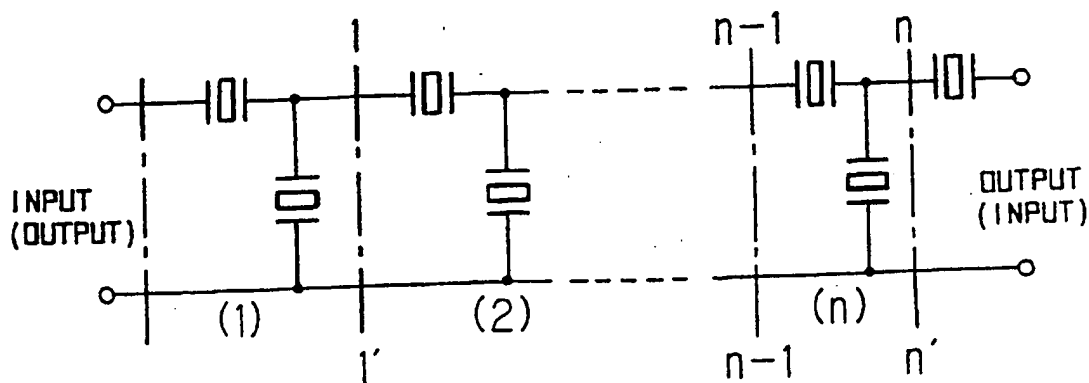


FIG. 59A

FIG. 6IA

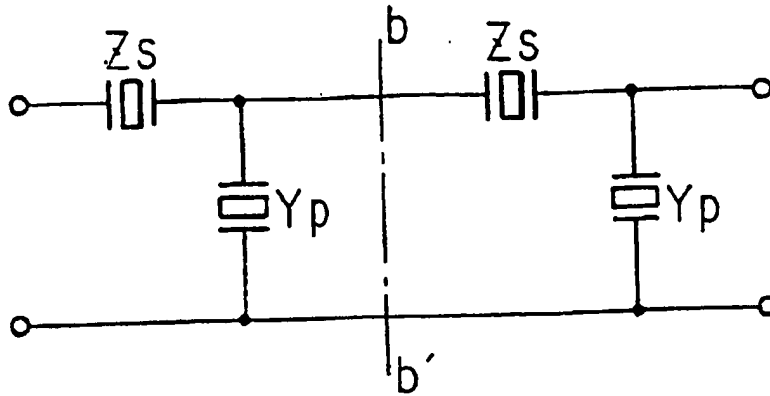


FIG. 6IB

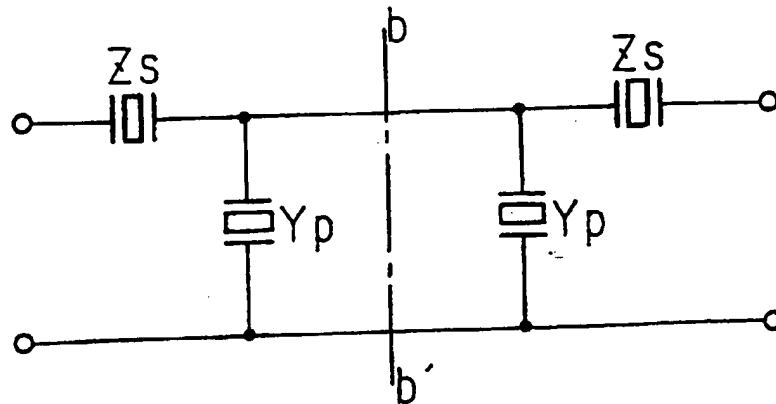


FIG. 6IC

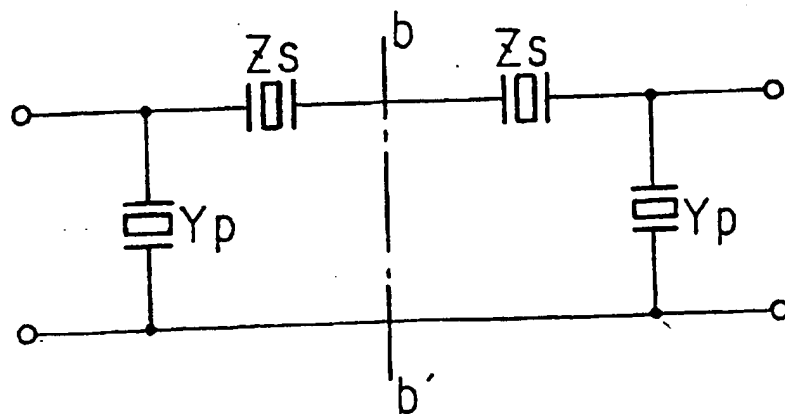


FIG. 6A 24652660

FIG. 62

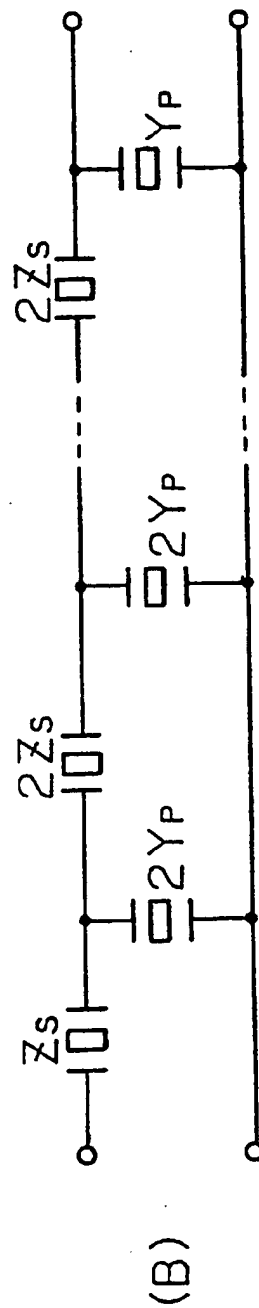
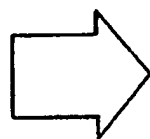
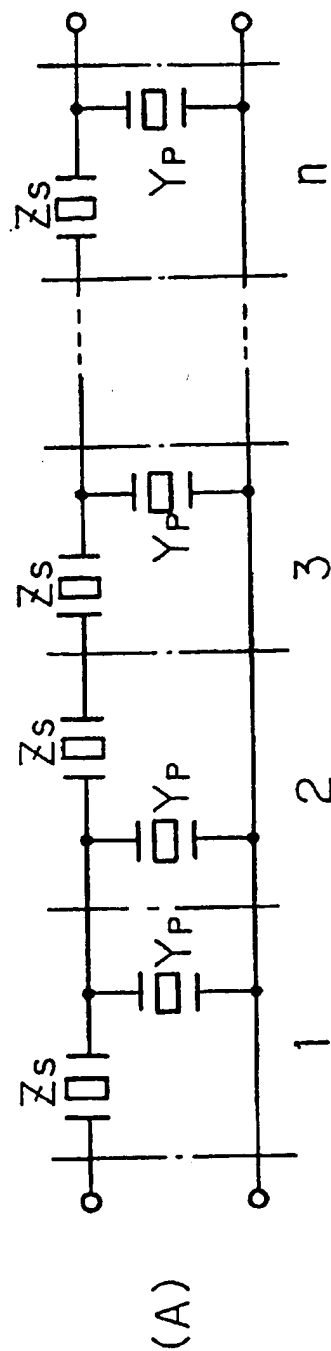




FIG. 64 PRIOR ART

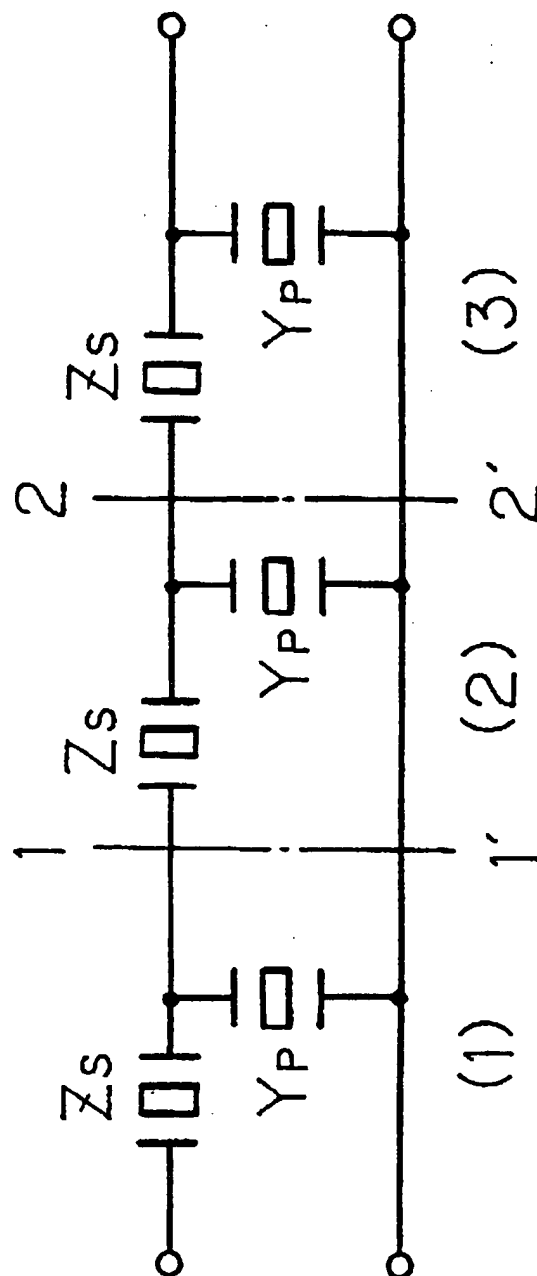
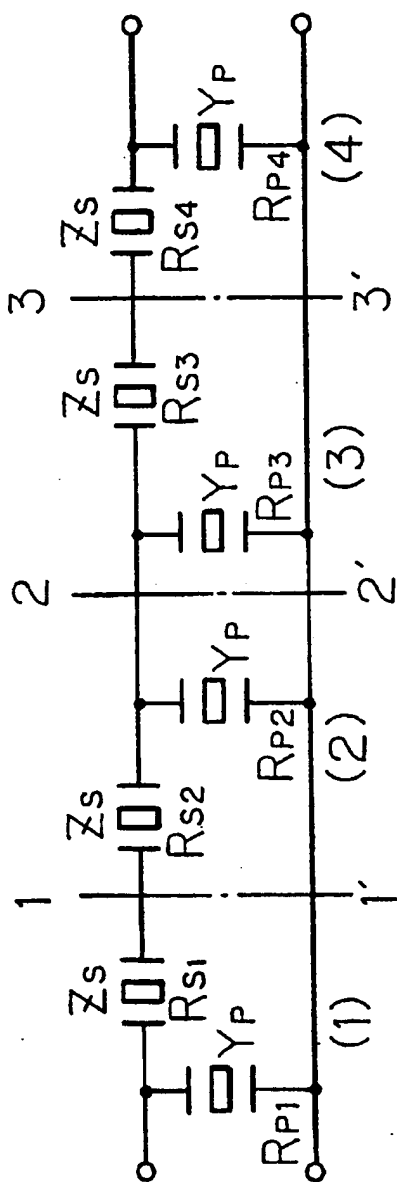
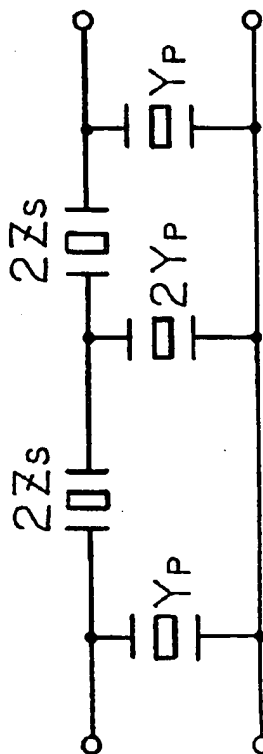


FIG. 64 PRIOR ART

FIG. 65

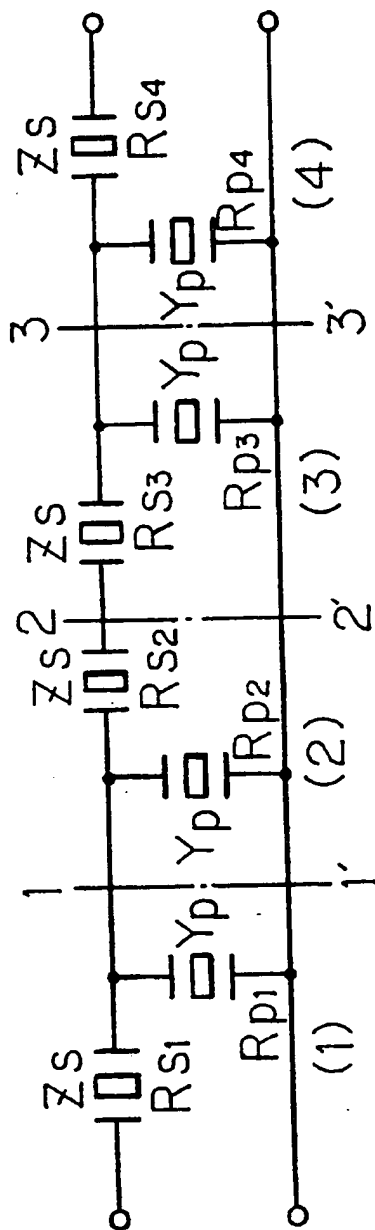


260

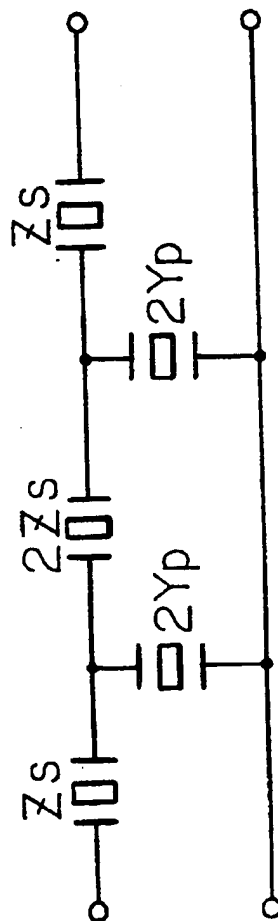
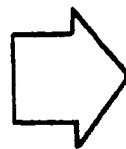


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FIG. 66



270



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FIG. 67

280

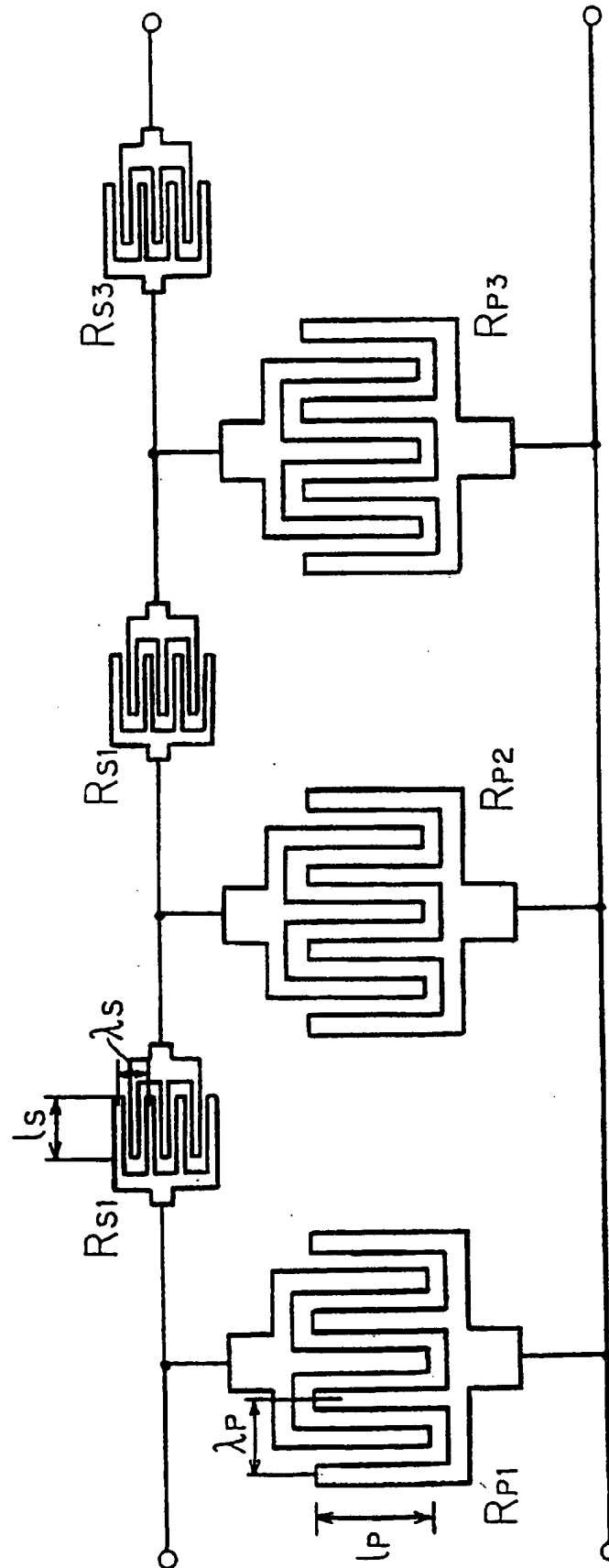




FIG. 68

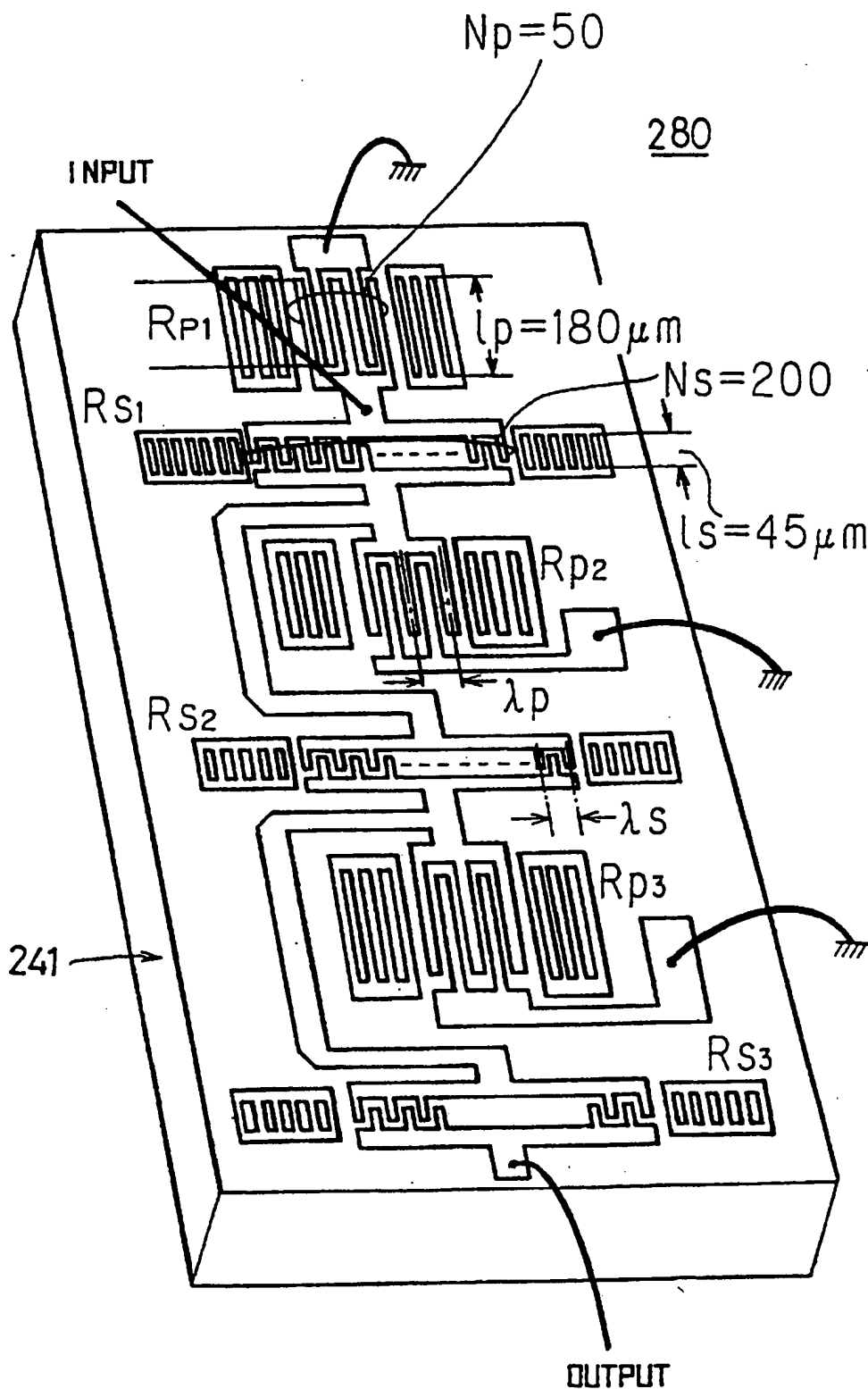


FIG. 68

FIG. 69

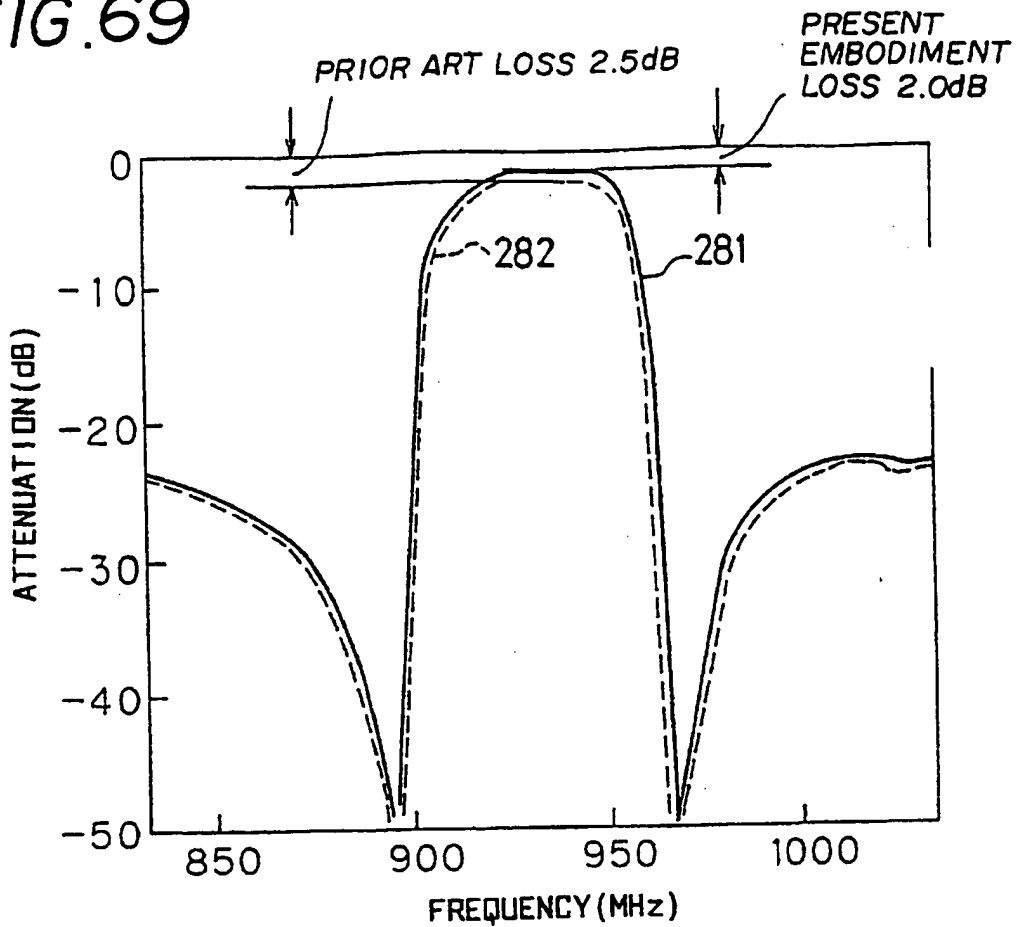


FIG. 70

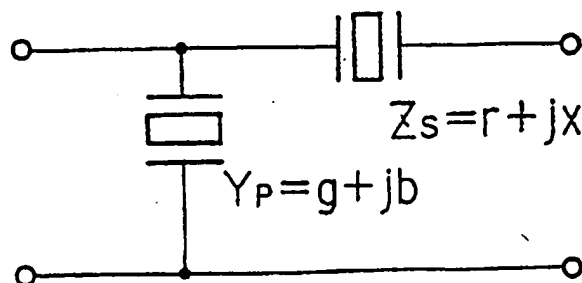


FIG. 71A

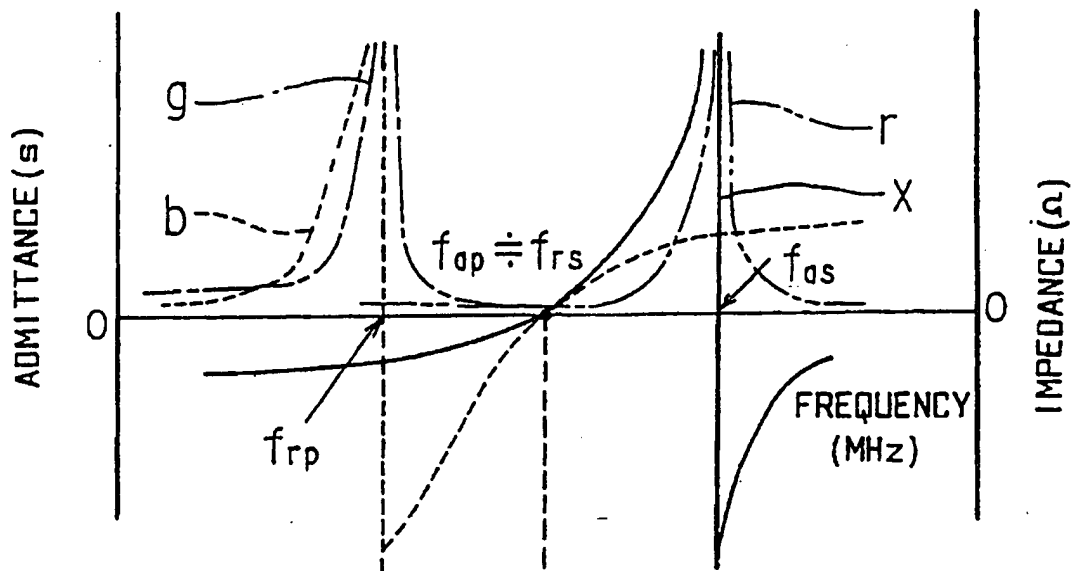


FIG. 71B

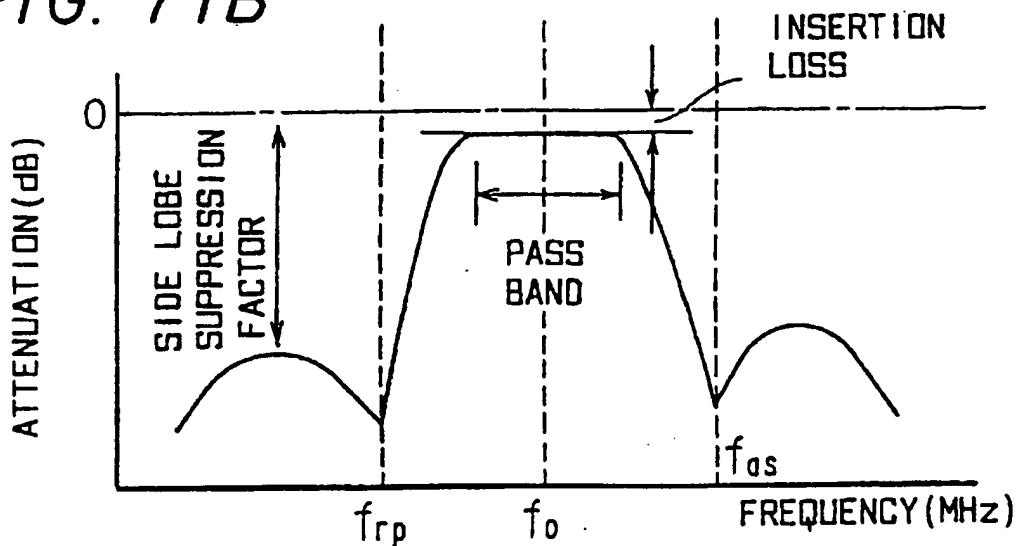
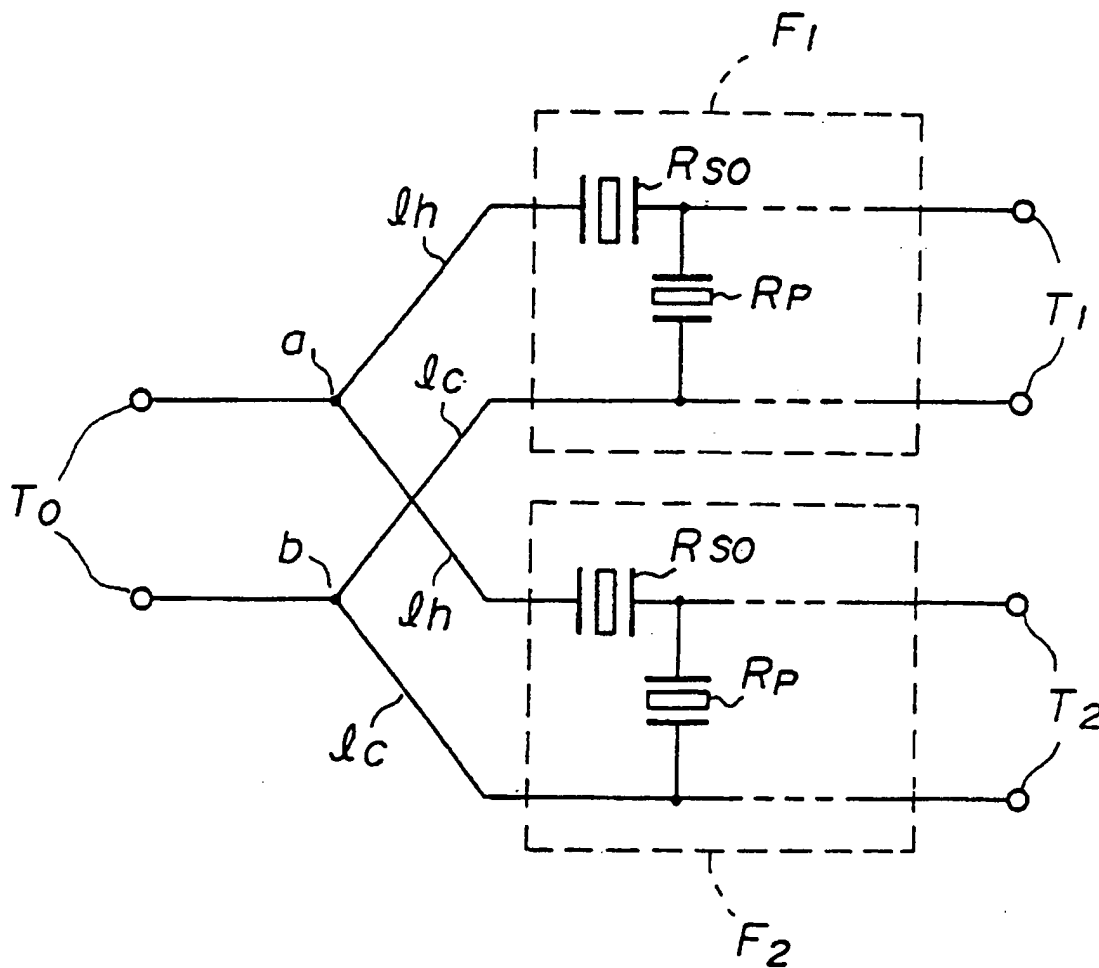


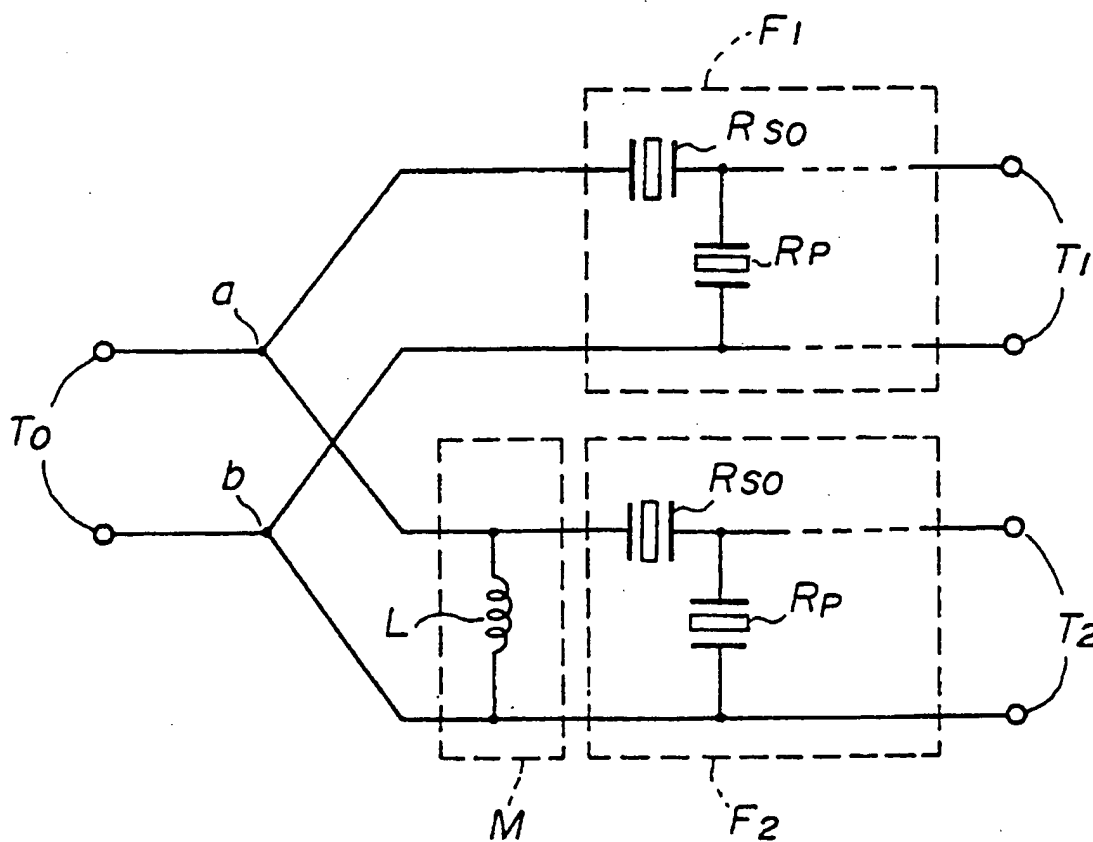
FIG. 72



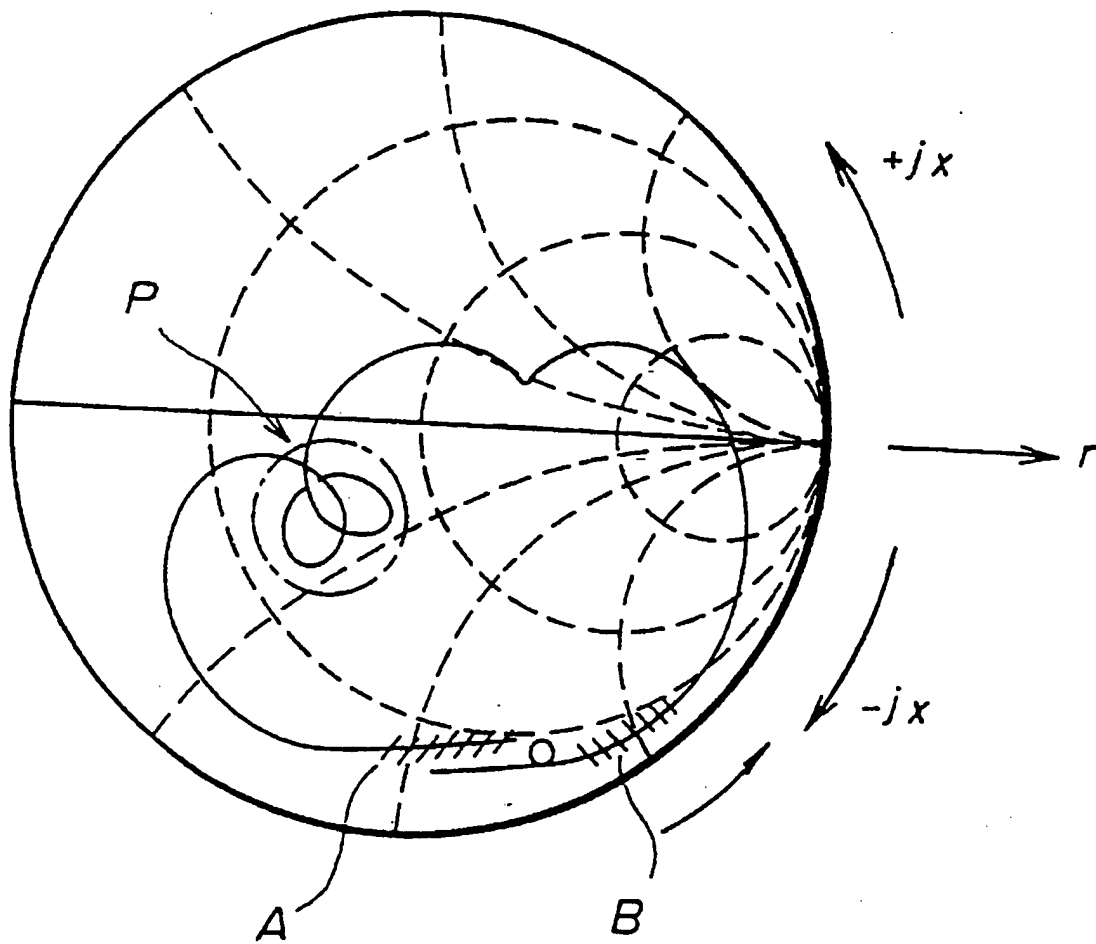
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FIG. 74

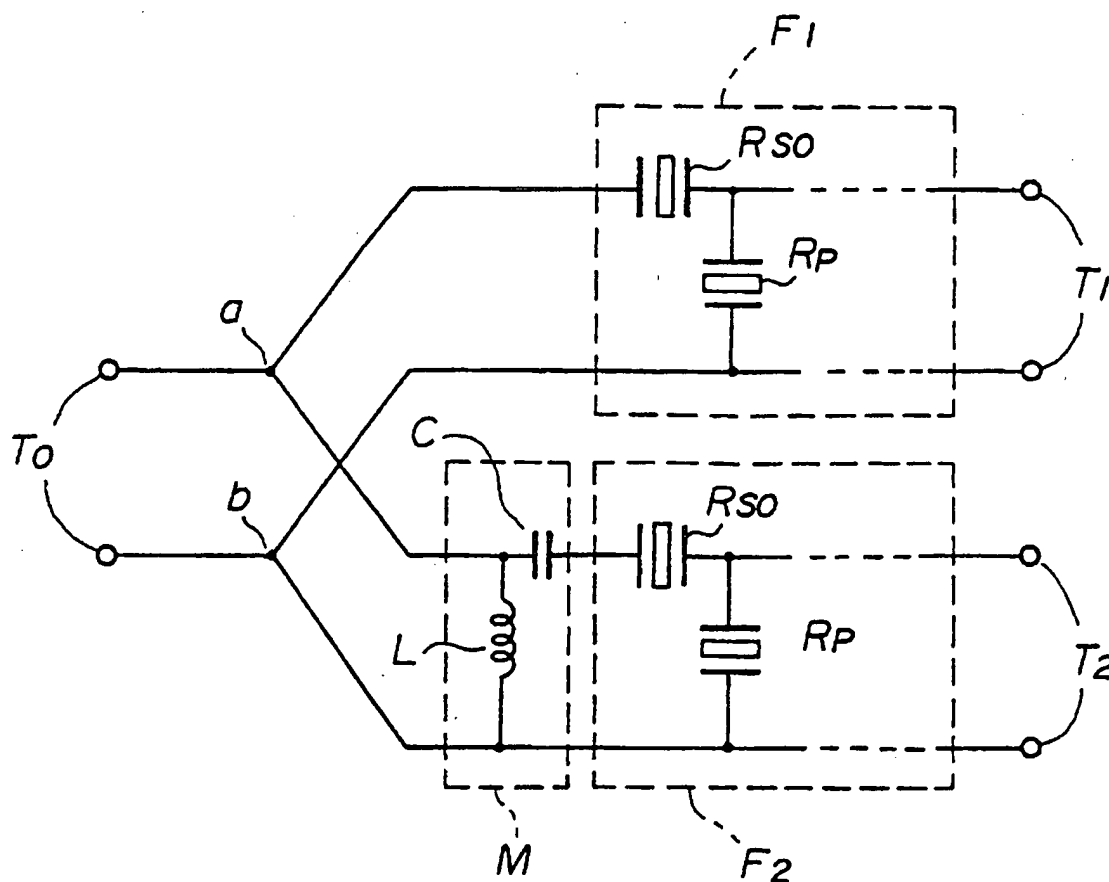


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**FIG. 75**

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**FIG. 76**





**FIG. 77**

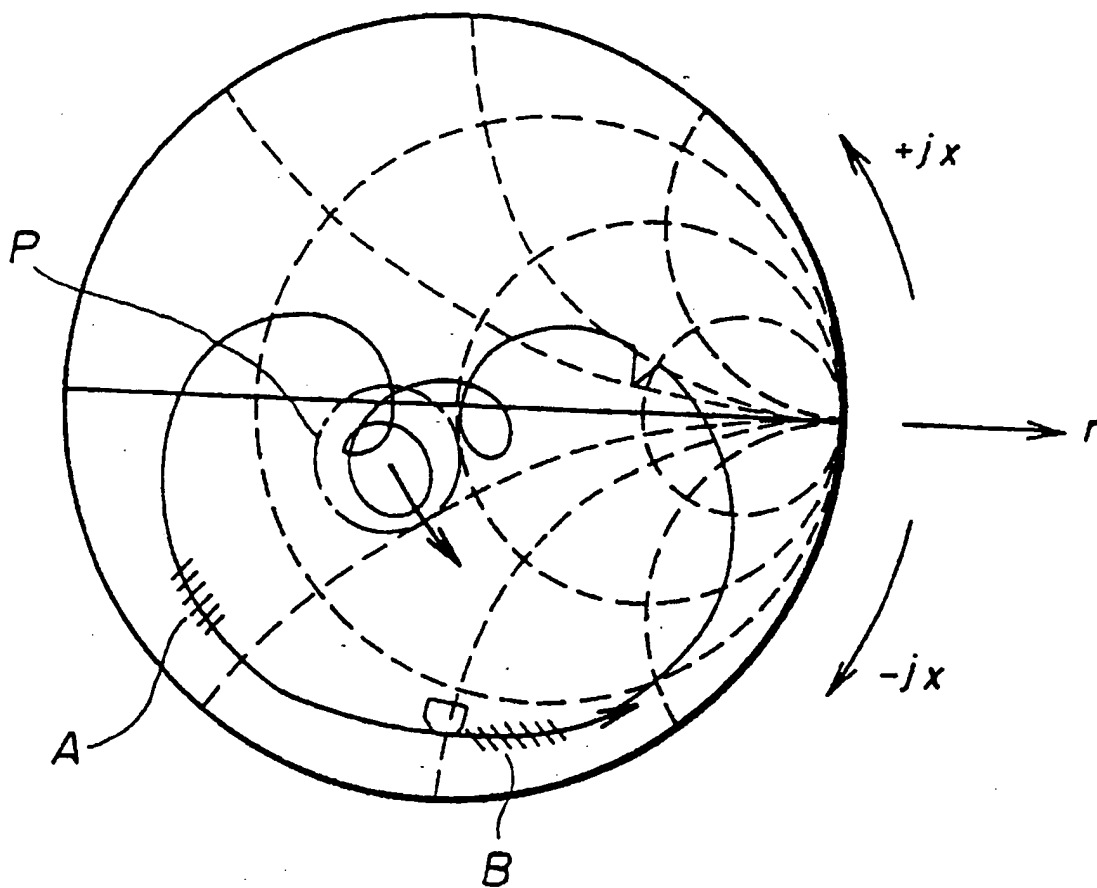
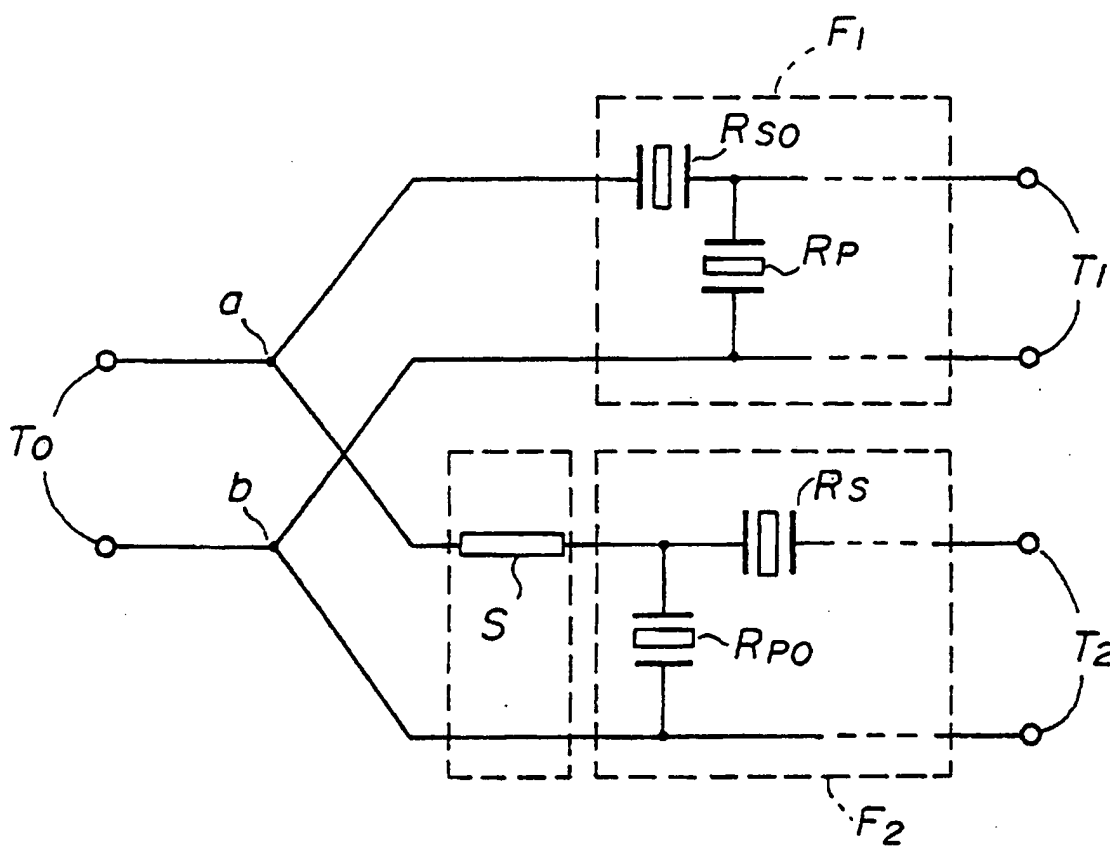


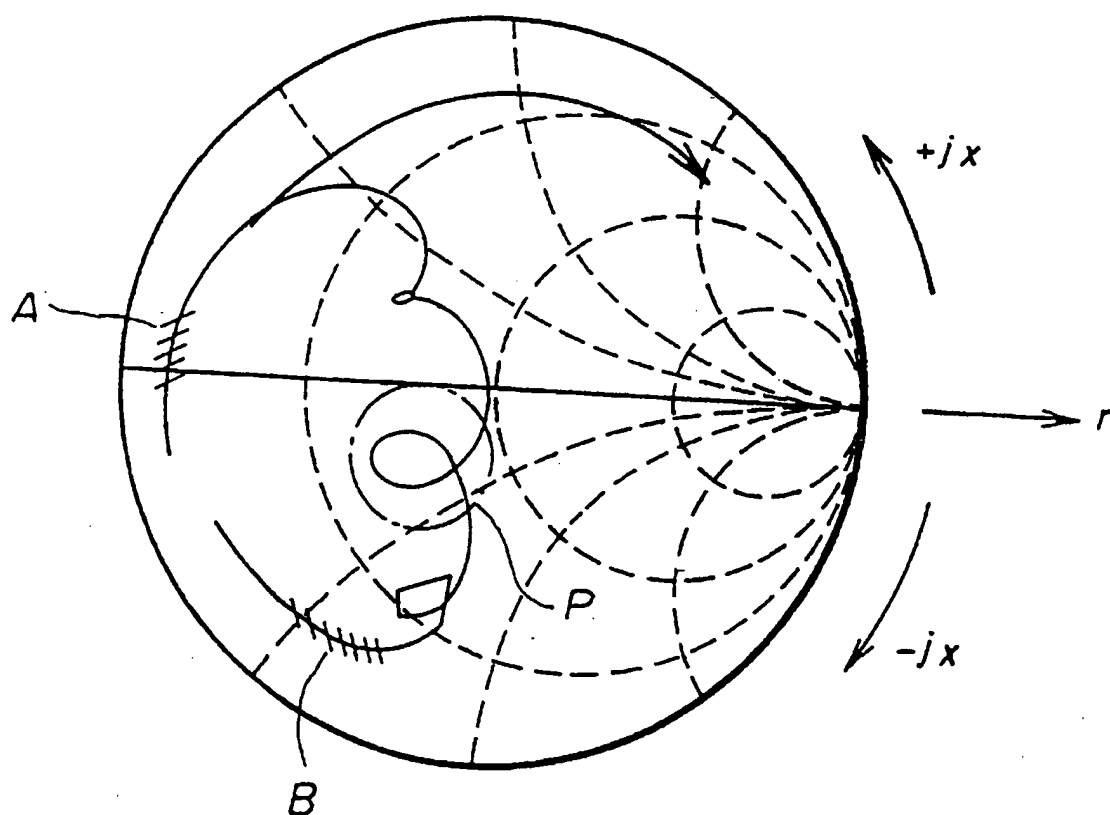
FIG. 77

FIG. 78



0095942-051001

FIG. 79

00925942.004001  
"FIG. 79" 21652660